CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Streets, Los Angeles, Calif.; making plans, $13,000,000 to $18,000,000.

Bridge, Toronto, Can., syndicate has made application to Canadian Parliament, $4,000,000.

Sewers, Denver, Colo., making plans, $3,000,000.

Apartment, New York, N. Y., J. Paterno making plans, $3,000,000.

Mausoleum, Hartsdale, N. Y., Ferncliff Cemetery Ass'n. having plans prepared, $3,000,000.

Apartment, Chicago, Ill., A. B. Allen, having plans prepared, $3,000,000.

Theatre and office, Jersey City, N. J., New Jersey, Bergen Sq. Realty Co. making plans, $2,500,000.

Hotel, New York, N. Y., Allerton Hotel Co. making plans, $2,500,000.

Paving and improving streets, Cincinnati, O., election in November, $2,000,000.

Club, San Pedro, Calif., St. Andres Golf and Country Club having sketches made, $2,000,000.

Paving, Mass., State Hy. Dept. making plans, $1,800,000.

Y. M. C. A., Milwaukee, Wis., making plans, $1,500,000.

Apartment, Chicago, Ill., M. L. Wallen & Co. taking bids, $1,500,000.

Club, San Francisco, Calif., Pacific Edgewater Club having plans prepared, $1,500,000.

Irrigation, Laredo, Tex., Webb Co. making preliminary surveys, $1,500,000.

Reservoir, Evansville, Ind., making plans, $1,270,000.

Grading and hard-surfacing, Laurel, Miss., Jones Co. making preliminary plans, $1,250,000.

Apartment, New York, N. Y., D. Zimmerman making plans, $1,250,000.

Bids Desired

Grading, curbing, bridges, Nashville, Tenn., Oct. 22, by State Dept., Highways and Public Works, $3,000,000.

Theatre and office, Sioux City, Ia., Nov. 1, by Francis Building Co., $1,500,000.

Hospital, Wash., D. C., Jan. 1, by Dist. Comrs., $1,000,000.

Contracts

Cathedral of Learning, Pittsburgh, Pa., University of Pittsburgh to Stone & Webster, $7,000,000.

Apartment, Chicago, Ill., Sheridan Grace Building Corp. to Avery Brundage Co., $3,000,000.

Dredging, Belmont, Calif., San Francisco Bay Terminals Co. to United Dredging Co., $2,500,000.

Hotel, Atlantic City, N. J., Seaside Hotel to Irwin & Leighton, $2,000,000.

Storm water outlet, Brooklyn, N. Y., J. J. Bryne, comrs. Pub. Wks. to Carrozza Constr. Co., $1,599,090.

Theatre, Seattle, Wash., Orpheum Theatre circuit to Rounds & Clist Co., $1,500,000.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

Oct. 8 Cleveland, O. ..... Oct. 7
Oct. 8 New York, N. Y. ..... Oct. 7
Oct. 8 Long Island City, N. Y. ..... Oct. 7
Oct. 11 Lasalle, Que. ..... Oct. 7
Oct. 12 Robinson, Kan. ..... Oct. 7
Oct. 12 Bowling Green, Mo. ..... Oct. 7
Oct. 13 Cleveland, O. ..... Oct. 7
Oct. 14 Newark, N. J. ..... Sept. 30
Adv. Sept. 30 and Oct. 7.
Oct. 14 East Troy, Wis. ..... Oct. 7
Oct. 14 Phila., Pa. ..... Oct. 7
Oct. 15 Avon Lake, O. ..... Oct. 7
Oct. 16 Ft. Worth, Tex. ..... Oct. 7
Oct. 18 Wenatchee, Wash. ..... Oct. 7
Oct. 20 Memphis, Tenn. ..... Sept. 16
Oct. 20 Detroit, Mich. ..... Sept. 16
Oct. 26 St. Louis, Mo. ..... Sept. 16
Oct. 26 Saginaw, Mich. ..... Sept. 23
Oct. 29 Ft. Worth, Tex. ..... Oct. 7
Adv. Oct. 7.
Nov. 1 Denver, Colo. ..... Sept. 30
Adv. Sept. 30 and Oct. 7.
Nov. 1 Melrose, N. M. ..... Oct. 7
Nov. 1 Amarillo, Tex. ..... Oct. 7

Sewers

Oct. 8 Boston, Mass. ..... Sept. 30
Oct. 9 East Liverpool, O. ..... Sept. 30
Oct. 11 Port Washington, N. Y. ..... Sept. 23
Oct. 11 Long Island City, N. Y. ..... Oct. 7
Oct. 12 Robinson, Kan. ..... Oct. 7
Oct. 13 Phila., Pa. ..... Oct. 7
Oct. 13 Jacksonville, Fla. ..... Oct. 7
Oct. 13 San Francisco, Calif. ..... Oct. 7
Oct. 13 Baltimore, Md. ..... Oct. 7
Oct. 13 Los Angeles, Calif. ..... Oct. 7
Oct. 14 Chicago, Ill. ..... Sept. 23
Oct. 14 Chicago, Ill. ..... Oct. 7
Adv. Oct. 7.
Oct. 14 Boston, Mass. ..... Oct. 7
Oct. 15 Chester, Pa. ..... Oct. 7
Adv. Oct. 7.
Oct. 15 New York, N. Y. ..... Oct. 7
Oct. 15 Boston, Mass. ..... Oct. 7
Oct. 15 Cameron, Mo. ..... Sept. 30
Oct. 18 Chappell, Neb. ..... Oct. 7
Oct. 18 Grinnell, Ia. ..... Oct. 7
Oct. 19 Christchurch, New Zealand ..... Sept. 30
Oct. 22 East White Plains, N. Y. ..... Oct. 7
Adv. Sept. 30 and Oct. 7.
Oct. 27 Decatur, Ill. ..... Sept. 23
Nov. 2 Toronto, Ont. ..... Oct. 7
Nov. 10 Birmingham, Ala. ..... Oct. 7

Bridges

Oct. 8 Phila., Pa. ..... Sept. 30
Oct. 8 Troy, Kan. ..... Sept. 30
Oct. 12 Oklahoma ..... Sept. 23

Bids close — *See Eng. News-Record*

Oct. 12 Indiana ..... Sept. 30
Oct. 13 Delaware ..... Sept. 23
Oct. 15 Salem, N. J. ..... Sept. 23
Adv. Sept. 16 to Oct. 7.
Oct. 15 Iowa ..... Sept. 30
Oct. 18 Dayton, O. ..... Sept. 23
Oct. 18 Wichita Falls, Tex. ..... Oct. 7
Oct. 18 California ..... Oct. 7
Oct. 18 Los Angeles, Calif. ..... Oct. 7
Oct. 19 North Carolina ..... Sept. 23
Oct. 19 North Carolina ..... Sept. 30
Oct. 19 Hamilton, O. ..... Sept. 30
Oct. 19 Boyce, La. ..... Oct. 7
Dec. 1 Copenhagen, Denmark .... July 15

Excavation, Drainage, Irrigation, Levees, River and Harbor

Oct. 8 New York, N. Y. ..... Oct. 7
Oct. 13 New Rochelle, N. Y. ..... Oct. 7
Adv. Sept. 30 and Oct. 7.
Oct. 14 Shreveport, La. ..... Sept. 23
Oct. 14 New Orleans, La. ..... Sept. 23
Oct. 15 Alexandria, La. ..... Sept. 23
Oct. 18 Duluth, Minn. ..... Oct. 7
Oct. 27 Illinois ..... Oct. 7
Adv. Oct. 7.
Nov. 1 Alexandria, Egypt ..... Oct. 7

Streets and Roads

Oct. 8 Hamden (br. New Haven), Conn. ..... Oct. 7
Oct. 11 Charles City, Ia. ..... Oct. 7
Oct. 11 New Jersey ..... Sept. 23
Oct. 11 Redwood City, Calif. ..... Oct. 7
Oct. 11 Michigan ..... Oct. 7
Oct. 12 Indiana ..... Sept. 30
Oct. 12 Winchester, Tenn. ..... Sept. 30
Oct. 12 Oklahoma ..... Sept. 30
Oct. 12 Charles City, Ia. ..... Sept. 30
Oct. 12 Kansas City, Kan. ..... Sept. 23
Oct. 12 Oklahoma ..... Sept. 23
Oct. 12 Columbus, O. ..... Sept. 30
Oct. 12 Oklahoma ..... Oct. 7
Oct. 12 Sigourney, Ia. ..... Oct. 7
Oct. 13 Rutherford, N. J. ..... Oct. 7
Adv. Oct. 7.
Oct. 13 Baltimore, Md. ..... Oct. 7
Oct. 13 Boston, Mass. ..... Oct. 7
Oct. 13 Colorado ..... Oct. 7
Oct. 14 Eureka, Kan. ..... Sept. 30
Oct. 14 Nebraska ..... Oct. 7
Oct. 15 Pennsylvania ..... Sept. 30
Adv. Sept. 30 and Oct. 7.
Oct. 15 Birmingham, Ala. ..... Sept. 23
Oct. 15 Wahoo, Neb. ..... Oct. 7
Oct. 15 New York, N. Y. ..... Oct. 7
Oct. 15 Wellington, Kan. ..... Oct. 7
Oct. 19 Ft. Scott, Kan. ..... Sept. 23

Bids close — *See Eng. News-Record*

Oct. 19 North Carolina ..... Sept. 30
Oct. 19 Cold Springs, Tex. ..... Oct. 7
Oct. 19 Fullerton, Calif. ..... Oct. 7
Oct. 19 Joplin, Mo. ..... Oct. 7
Oct. 19 Cold Springs, Tex. ..... Oct. 7
Oct. 19 Toledo, Kan. ..... Oct. 7
Oct. 19 Baton Rouge, La. ..... Oct. 7
Oct. 20 Gloucester, N. J. ..... Oct. 7
Oct. 21 Anthony, Kan. ..... Oct. 7
Oct. 22 Tennessee ..... Oct. 7
Oct. 25 New Jersey ..... Oct. 7
Adv. Oct. 7.
Oct. 30 Birmingham, Ala. ..... Sept. 30

Buildings—Commercial

Oct. 8 Phila., Pa ..... Oct. 7
Oct. 9 Camden, N. J. ..... Oct. 7
Oct. 11 Phila., Pa. ..... Oct. 7
Oct. 13 Buffalo, N. Y. ..... Sept. 23
Oct. 14 Phila., Pa. ..... Oct. 7
Oct. 15 Chicago, Ill. ..... Oct. 7
Oct. 15 Cedar Rapids, Ia. ..... Oct. 7
Oct. 15 Duluth, Minn. ..... Sept. 23
Oct. 15 Waupun, Wis. ..... Sept. 30
Oct. 15 Chicago, Ill. ..... Oct. 7
Oct. 17 Joplin, Mo. ..... Oct. 7
Oct. 19 Indianapolis, Ind. ..... Aug. 26
Oct. 20 Pittsburgh, Pa. ..... Sept. 30
Oct. 21 Lafayette, La. ..... Sept. 23
Oct. 29 Denver, Colo ..... Sept. 30
Nov. 1 Sioux City, Ia. ..... Oct. 7
Nov. 4 Atlantic City, N. J. ..... Oct. 7
Adv. Oct. 7.
Nov. 5 Canton, O. ..... Oct. 7
Nov. 15 Duluth, Minn. ..... July 15
Jan. 1 Wash., D. C. ..... Oct. 7

Buildings—Industrial

Oct. 9 Milwaukee, Wis. ..... Oct. 7
Oct. 11 Brooklyn, N. Y. ..... Oct. 7
Oct. 14 Phila., Pa. ..... Oct. 7
Oct. 18 Baltimore, Md. ..... Oct. 7
Jan. 1 Salem, O. ..... Sept. 30

Buildings—Educational, Religious

Oct. 8 Nutley, N. J. ..... Sept. 30
Oct. 11 Jacksonville, Fla. ..... Sept. 30
Oct. 11 Asheville, N. C. ..... Sept. 30
Oct. 11 Columbus, O. ..... Sept. 23
Oct. 12 Expedit, Pa. ..... Oct. 7
Oct. 14 West Roxbury (Boston P. O.), Mass. ..... Oct. 7
Oct. 16 Chicago, Ill. ..... Oct. 7
Oct. 18 Rocky River, O. ..... Oct. 7
Oct. 18 Red Lion, Pa. ..... Oct. 7
Oct. 19 Newell, W. Va. ..... Sept. 23
Oct. 19 Des Moines, Ia. ..... Oct. 7

See proposal advertising on page 174

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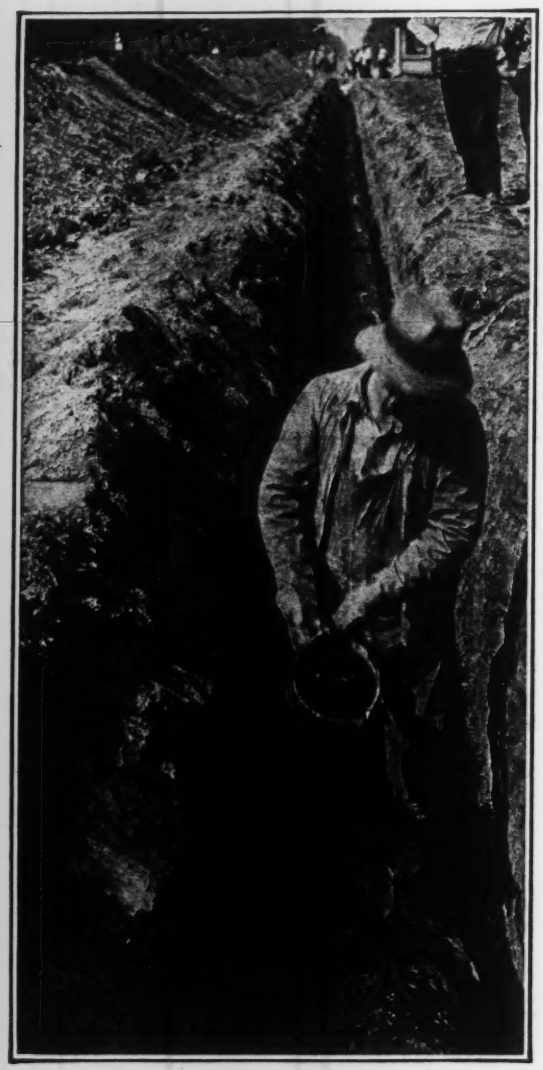
TRADE "LEADITE" MARK

Registered U. S. Pat. Office



Pouring LEADITE Joints on line of 12-in. c. i. bell and spigot water main.

Durable Pipe Joints

The wise man builds for the future. Supply lines and distribution systems are usually permanent installations.

Durability and quality should be the first consideration of the product used for making joints in cast iron bell and spigot water mains.

LEADITE is a good product and the leader in its field, because it has gained and retained the recognition, support and patronage of such a great number of water works men for so many years.

LEADITE has been tested and used for over 30 years, under all pressures and conditions, by water works, railroads, mines, contractors and industrial plants thruout the country.

Thousands of miles of pipe have been laid with LEADITE joints, on all sizes from 4 in. to 60 in. in diameter.

LEADITE takes the drudgery out of pipe laying; saves time, money and labor; makes flexible joints; makes joints which will stand vibration under tracks, over and under bridges; makes joints which resist electrolysis; eliminates large bell holes; reduces trench pumping and other work incidental to caulking—LEADITE requires no caulking.

Every water works man abreast of the times knows about LEADITE. LEADITE is an interesting and familiar topic at water works conventions and wherever water works men congregate.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.

1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Oct. 20	Paola, Kan.	Sept. 30
Oct. 21	Buffalo, N. Y.	Oct. 7
Oct. 25	Stamford, Conn.	Sept. 23
Oct. 25	Richmond, Calif.	Sept. 30
Oct. 25	Cincinnati, O.	Oct. 7
Oct. 25	Washington, D. C. Adv. Oct. 7.	Oct. 7
Oct. 26	Racine, Wis.	Oct. 7
Oct. 28	Fresno, Calif.	Oct. 7
Oct. 28	Newark, N. J.	Oct. 7
Nov. 15	Jacksonville, Fla.	Oct. 7
Jan. 1	Wash., D. C.	Oct. 7
Feb. 1	Wash., D. C.	Oct. 7

Federal Government Work

Oct. 8	Remodeling—Olean, N. Y.	Sept. 23
Oct. 9	Dwellings—Wash., D. C. Adv. Sept. 16 to Oct. 7.	Sept. 16
Oct. 11	Wiring—Oxford, Miss. Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 12	Hoists, etc.—Denver, Colo.	Sept. 16
Oct. 12	Deep Wells—Legion, Tex.	Sept. 30
Oct. 12	Earthwork—New Orleans, La.	Sept. 30
Oct. 12	Dikes—Atherton, Mo.	Oct. 7
Oct. 13	Bottom—Key West, Fla.	Sept. 30
Oct. 13	Wharf—New York, N. Y. Adv. Sept. 30 and Oct. 7.	Sept. 30
Oct. 14	Remodeling—Erie, Pa.	Sept. 30
Oct. 15	Wharf—Marcus Hook, Pa.	Sept. 30
Oct. 16	Dredging — Port Chester, N. Y. Adv. Sept. 16 to Oct. 7.	Sept. 16
Oct. 18	Dredging—Baltimore, Md.	Sept. 16
Oct. 18	Remodeling—Janesville, Wis.	Sept. 30
Oct. 18	Refrigerating Plant—Boise, Idaho.	Sept. 30

Bids close		See Eng. News-Record
Oct. 19	Water Softening Plant—Hot Springs, S. D.	Sept. 30
Oct. 26	Waterproofing—Sheridan, Wyo.	Sept. 30
Oct. 26	Sand Fill—Gulfport, Miss.	Oct. 7
Oct. 29	Dredging—Newark, N. J. Adv. Sept. 30 and Oct. 7.	Sept. 30
Nov. 1	Survey Boat—Memphis, Tenn. Adv. Sept. 30 and Oct. 7.	Sept. 30
Nov. 5	Derrick Boat—Wash., D. C. Adv. Oct. 7.	Oct. 7
Nov. 9	Attendants Quarters—Washington, D. C. Adv. Oct. 7.	Oct. 7
Nov. 10	Dam—San Carlos, Ariz. Adv. Sept. 30 and Oct. 7.	Oct. 7

Unclassified

Oct. 8	Lighting System—Bexley (Columbus P. O.), O.	Oct. 7
Oct. 9	Signals—Lakewood (br. Cleveland), O.	Oct. 7
Oct. 11	Foundation and Excavation—Columbus, O.	Sept. 23
Oct. 11	Street Lighting System—Gary, Ind.	Sept. 30
Oct. 11	Lighting System—Columbus, O.	Oct. 7
Oct. 11	Subway—New York, N. Y. Adv. Oct. 7.	Oct. 7
Oct. 11	Lighting System—Los Angeles, Calif.	Oct. 7
Oct. 11	Lighting System—Beverly Hills, Calif.	Oct. 7
Oct. 11	Fire Alarm System—Brooklyn, N. Y.	Oct. 7

Bids close		See Eng. News-Record
Oct. 15	Subway—New York, N. Y.	Sept. 9
Oct. 15	Stone Crushing Plant—Caldwell, N. J.	Sept. 30
Oct. 15	Foundation—Sioux City, Ia.	Oct. 7
Oct. 16	Underpass—Ft. Worth, Tex.	Oct. 7
Oct. 18	Entrance, etc.—New York City, N. Y.	Oct. 7
Oct. 19	Stadium—Wheeling, W. Va.	Sept. 30
Oct. 21	Lighting System—Wash., D. C.	Oct. 7
Oct. 27	Generator—Utica, N. Y.	Sept. 30
Oct. 27	Pier—Oceanside, Calif.	Oct. 7
Oct. 27	Sanitary Work—Central Islip, N. Y. Adv. Oct. 7.	Oct. 7
Oct. 27	Heating, etc.—Middletown, N. Y. Adv. Sept. 30 and Oct. 7.	Oct. 7
Oct. 28	Transit Sheds—West Palm Beach, Fla.	Sept. 30
Nov. 1	Buildings, etc.—New Zealand	July 1
Nov. 1	Foundation—Sioux City, Ia.	Sept. 30
Dec. 1	Aviary—Wash., D. C.	Oct. 7

Materials

Oct. 8	Copper Wire—Cleveland, O.	Oct. 7
Oct. 8	Pipe—Montreal, Que.	Oct. 7
Oct. 11	Sand, etc.—Long Island City, N. Y.	Oct. 7
Oct. 14	Structural Steel—Chicago, Ill.	Oct. 7
Oct. 14	Frogs—Phila., Pa.	Oct. 7
Oct. 19	Ties—Montreal, Que.	Oct. 7
Nov. 3	Cable—Melbourne, Australia	Sept. 16

News of New Work

Waterworks

Proposed Work

N. C., Greensboro—Plans issuing $100,000 bonds, extending waterworks. P. C. Painter, Greensboro, city mgr.

Ga., Dahlonega — Voted $25,000 bonds, waterworks improvements.

Ala., Florence—Plans waterworks improvements, incl. 1,600,000 gal. capacity stand pipe, main extensions into suburbs, etc. $85,000.

Tenn., Gainesboro—Voted $15,000 bonds, waterworks, incl. deep well pump, 7,500 ft. 1 and 2 in. c.i. pipe, etc. L. Quarles, mayor. Engineer not selected. Noted Sept. 23.

Tenn., South Pittsburg—Tennessee Water Co. plans filtration plant. $30,000.

Ky., Hazel—Making preliminary plans new waterworks, incl. 12,400 ft. 2- to 6-in. c.i. pipe, deep well pump, etc. $18,000. C. Crawford, Murray, engr.

O., Columbus—See "Streets and Roads."

Ind., Elkhart—Making plans 2 m.g. rein.-con. reservoir, new wells and c.i. pipe. $90,000. J. R. Stephenson, waterworks supt. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Mar. 25.

Ind., Evansville—Making plans reservoir, trunk line, 2 pumps, coal handling device, and new pit. $1,270,000. Hiller & Anderson, c/o Cincinnati Water Works Dept., Cincinnati, O., hydraulic engrs.

Mich., Dexter—Made plans 24,000 lin.ft. 4 and 8 in. c.i. mains, etc. in various streets. Ayres, Lewis & May, Cornwall Bldg., Ann Arbor, engrs.

Kan., Randolph — Voted $30,000 bonds, new waterworks. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, Mo., engrs.

Kan., Wellsville—Election in November $30,000 bonds, waterworks. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted July 8.

Neb., Westpoint—Voted $20,000 bonds, extending waterworks. Noted Sept. 23.

N. D., Devils Lake—Plans election $30,000 bonds, drilling well for additional water supply. M. Olsen, city aud.

Mo., Seymour — Voted $35,000 bonds, improving waterworks, incl. deep well, pumping equipment, tank on tower, approximately 15,000 ft. 2- to 8-in. c.i. mains, fire hydrants, etc. A. H. Kendrick, Seymour, engr. Noted Sept. 30.

Tex., El Dorado—Making plans waterworks improvements, incl. distributing system and pumping plant. $40,000. Address C. A. Spencer, mayor.

Tex., Estelline—Voted $35,000 bonds, complete waterworks. Morrison & Hasie, Memphis, engrs.

Tex., Levelland—See "Sewers."

Tex., Marfa—Voted $50,000 bonds, complete waterworks. C. Duckworth city secy. Noted Sept. 16.

Tex., San Antonio—Making preliminary surveys waterworks improvements, at plant at Brackenridge Park, incl. 12 in. artesian well, etc. $50,000. I. Ewig, city engr.

Okla., Chickasha—Election in November, $250,000 bonds, waterworks improvements. R. O. Bradley & Co., Chickasha, engrs.

Wash., Yakima—Takes bids about Oct. 20, 37,732 ft. 6- to 16-in. galvanized iron pipe for extension to distribution system. C. F. Wilson, Wakima, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Calif., Bolinas—Bolinas Pub. Utility Dist., plans election to vote bonds, 23,067 ft. 8 in. c.i. mains, and small concrete diversion dam. Noted July 8.

Calif., Santa Maria—Plans election bonds to exceed $75,000, soft-water supply system. H. Noel, Jr., city engr.

Bids Desired

N. Y., Long Island City—Oct. 8, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 4th, 34th, 69th, 28th, 32nd, 15th, 60th, 61st, 27th 34th 65th, 87th and Anable Aves. Adriatic, Harrow, 1st, 83rd, 86th, 95th, 106th, 170th, 172nd, 254th, Coolidge, Murray, Herrick, Manley and Mount Sts., etc., here.

N. Y., New York—Oct. 8, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in East 149th, 178th, 179th, 181st, 182nd, 211th, and 233rd Sts., Arlington, Daly, East Tremont, Morris, Netherland, Selwyn, Ampere, Beach, Boller, Bryant, Edison, Ellsworth, Fteley, Gillespie, Gunther, Hone, Lurting, Mace, Olinville, Paulding, Rosedale, Stratford, Tyron, Waring and Wilson Aves., etc., Bronx Boro.

Pa., Phila.—Oct. 14, by Dept. Pub. Wks., Bureau of Water, mains in various streets, Contr. 838; ash crane for Oak Lane Pumping Sta., Contr. 839; ash crane for Lardners Point Pumping Sta., Contr. 840; 1,000 tons filter sand, and 500 tons ½- to 1-in. gravel, Contr. 841; 300 fire hydrants, Contr. 845; spare gears for Belmont Pumping Sta., Contr. 846; and coal conveyor belt for Lardner Point Pumping Sta., Contr. 847. G. H. Biles, dir.

O., Avon Lake—Oct. 15, by Bd. Comrs. Lorain Co. (Elyria) filter plant, 30 x 40 ft. low service pump house coagulation basin, 50 x 70 ft. filter building, storage tank, and pumping equipment, etc. $200,000. Former bids rejected. G. B. Gascoigne, 1148 Leader News Bldg., Cleveland, sanitary engr. Noted Sept. 30.

O., Cleveland — Oct. 8, by City, water softening equipment.

O., Cleveland — Oct. 13, by Bd. Comrs. Cuyahoga Co., 9006 ft. 6- to 15-in. c.i. mains in Clague Rd. F. Williams, Court House, engr.

Wis., Beloit—C. F. Dobson, mgr., Wisconsin Power & Light Co., Grand Ave., taking bids 200,000 gal. steel storage tank on 155 ft. steel tower, Grand Ave. $15,000.

Wis., East Troy — Oct. 14, by G. A. Kurzrok, city clk., drilling 175 g.p.m. artesian well. To exceed $15,000. Noted Sept. 2.

Kan., Robinson—Oct. 12, by City Clerk, waterworks. $25,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted July 22.

Mo., Bowling Green—Oct. 12, by G. G. Price, city clk., storage reservoir, tank on tower, pumping equipment and several mi. 4- to 8-in. c.i. mains, etc. McCarty & Elder, Marion, Ill., engrs. Noted Apr. 22.

Tex., Amarillo—Nov. 1, by Devlin Eng. Co., engrs., 127 Central Bldg., tank and tower, incl. approximately 29,000 ft. pipe, for City. $45,000.

Tex., Ft. Worth—Oct. 16, by D. L. Lewis, city engr., or J. H. Gregory, consult. engr., John Hopkins University, Baltimore, Md., 5⅓ mi. 60 in., and 4,200 ft. 84 in. rein.-con. mains from Lake Worth to here, for City. $400,000. Noted July 1.

Tex., Ft. Worth—Oct. 29, by O. E. Carr, city mgr. rein.-con. pressure conduit from Lake Worth to Water Filtration Plant. D. L. Lewis, city engr. J. H. Gregory, Baltimore, Md., consult, engr.; adv. E. N.-R. Oct. 7.

N. M., Melrose—Nov. 1, by Devlin Eng. Co., engrs., 127 Central Bldg., Amarillo,

Constr. News page 230

--answering your Questions regarding High Early Strength Concrete

(Made with *standard* Universal cement)

Question	Answer
1. What is High Early Strength *Universal* Concrete?	Concrete with a *3-day* strength equal to the *28-day* strength of ordinary concrete. It is made by applying thoroly tested methods and standard (not special) *Universal* cement.
2. What is its chief advantage?	Saves time! Road and street tie-ups shortened or eliminated; foundations, buildings, sidewalks and concrete improvements of all kinds are made ready for use in *3 days* instead of *3 weeks.*
3. What additional advantage is there?	Increases strength! Concrete so made is not only as strong in 3 days as ordinary concrete is in 28 days, but is much better and much stronger concrete forever after than concrete as ordinarily produced. (See diagram.)
4. Is its use restricted to certain kinds of jobs?	High Early Strength *Universal* Concrete may be used on *any* concrete job.
5. Has High Early Strength *Universal* Concrete been fully tested?	Thousands of laboratory tests, years of experiment and hundreds of actual jobs prove the value of High Early Strength *Universal* Concrete.
6. Is a special grade of *Universal* cement required for High Early Strength *Universal* Concrete?	Standard *Universal* cement is used—identically the same quality *Universal* cement and at the same price as used in ordinary *28-day concrete.*
7. Where can I get detailed information on High Early Strength *Universal* Concrete?	The coupon below will bring full details promptly.

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago.

Without obligation please send me detailed information on methods for securing strong concrete in 3 days with standard *Universal* cement (not special) cement, that is, with the same quality *Universal* cement and at the same price as regularly used for any concrete work.

Name .....

Address .....

E. N. R. 10-7-26

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

Tex., improving waterworks, incl. tank and tower, approximately 29,000 ft. 1- to 6-in. c.i. pipe, etc., here, for City $45,000. G. C. Davis, city secy. Noted Apr. 1.

Wash., Wenatchee — Oct. 18, by City Comrs., replacing wooden mains with 2.5 mi. c.i. mains in west central section city. $65,000.

Que., Lasalle — Oct. 11, by S. Lefelre, city secy. and treas., extending water and sewerage systems, sidewalks, and water-bound macadam paving various streets. $150,000. J. R. Roy, 13 Strathyre Ave., engr.

Bids Received

Conn., Hartford—Bd. Water Comrs., Municipal Bldg., 2 masonry filters, regulator house and connecting pipe lines, etc., from Stimpson Bros. Corp., 77 Summer St., Boston, Mass. $271,027. Noted Sept. 16.

O., Cleveland—Bd. Comrs. Cuyahoga Co. 7,600 ft. 12 in. c.i. mains in Clague and Detroit Aves., Impvt. 1250, from Sprague & Burkhardt, 11810 Browning Ave., $37,-926; 2,000 ft. 12 in. mains in Lander Rd., Impvt. 368, and 3,500 ft. 8 and 12 in. mains in Longwood Dr., Impvt. 367, from A. Marra Co., Engineers Bldg., $9,791 and $15,285 respectively.

O., Maple Heights (Bedford P. O.)—See "Sewers."

Wis., Milwaukee—Central Bd. Purchases, J. W. Nicholson, ch. buyer, City Hall, Sept. 27, 325 tons 6- to 16-in. ci. water pipe, from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, Ill. at $47.40 per ton. Noted Sept. 23.

Calif., Los Angeles — Los Angeles Co., mains in Hammerton Tract, Co. Impvt. 527, from California Trenching Co., 109 Flower St., Huntington Park, $21,991.

Contracts Awarded

R. I., Providence—Bronze mounted gate valves, to Eddy Valve Co., Waterford, N. J., $50,124.

Mass., Boston—Dept. Pub. Wks., laying and relaying mains in Park Sq. Dist., to C. & R. Constr. Co., 67 Harrison Ave. E. Roxbury, $124,635. Noted Sept. 23.

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Benson Ave., to Grippo Contg. Co., 85 Webster Ave., Long Island City, $7,950; and in Avenues S and Z, to N. DeStefano, Inc., 257 Glenn Ave., Tompkinsville, $112,998. Noted Sept. 23.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 32nd, 35th Sts., etc., to B. Costanzo, 2777 Myrtle Ave., Brooklyn, $6,534. Noted Sept. 23.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Colden and Cromwell Aves., etc., to Draganette Constr. Co., 1123 Clinton Ave., $12,435. Noted Sept. 23.

N. Y., St. George—N. J. Hayes, comr. comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Adams St., etc., to Knight & DeMicco Co., Inc., 448 Tremont Ave., New York City, $44,740. Noted Sept. 23.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, small pipe lines in streets to be repaved, Contr. 824, to M. and J. B. McHugh, 892 North Markoe St., $50,885. Noted Sept. 30.

O., Cleveland—Cuyahoga Co., 2,500 ft. 8 in. c.i. mains in Brookside Rd., Impvt. 156, to Sprague & Burkhardt, 11811 Browning Ave., $8,783; and 5,000 ft. 6 and 8 in. mains in Mayfield Ridge Rd., Impvt. 366, to A. Marra Co., Engineers Bldg., $14,955. Noted Sept. 30.

O., Euclid — Mains in Sherwood Forest sub-division, to Curro & Whittaker, Engineers Bldg., Cleveland, $36,893.

Ia., Sutherland — Waterworks improvements, incl. 18,000 ft. 2- to 6-in. c.i. mains, 50,000 gal. capacity steel tank on 83 ft. tower, and 5 ft. steel rider, to C. W. Roland, 1347 8th St., $28,100. Engrs. est. $35,000. Noted June 24.

Minn., Minneapolis—F. S. Gram, city purch. agt., six 24 in. gate valves for Water Dept., to Columbian Iron Wks., 811 Boyce St., Chattanooga, Tenn., at $424.20 each. Noted Sept. 9.

Tex., Hale Center—Complete waterworks, to R. Irick, Plainview, $37,919. Noted Sept. 9.

Calif., San Francisco—Mains in Butchertown Dist., to Schultz Constr. Co., 46 Kearny St., $45,656. Noted Sept. 23.

Sewers

Proposed Work

N. Y., Jamestown—City, at office L. A. Bergman, dir. Pub. Wks., City Hall, rejected bids September 7, sewage treatment plant. Will readvertise. Noted Aug. 26.

N. J., Trenton—Plans drain, in Hankinton alley and Stockton St. $30,000. A. C. Gregory, Trenton, engr.

N. C., Greensboro—Plans issuing $200,-000 bonds, extending sewerage system. P. C. Painter, Greensboro, city mgr.

O., Columbus—See "Streets and Roads."

O., Columbus—Made plans and soon take bids 4,740 ft. 8 in. and 775 ft. 6 in. vit. sewer etc. in Suwanee Rd. and Talmadge St., 15,733; and 2,900 ft. 12- to 24-in. vitr. sewer, etc. in Central Ave., $11,184. R. H. Simpson, city engr.

Mich., Detroit—Dept. Pub. Wks. making plans 1,981 ft. brick or concrete sewer in Fenelon Ave. Arm, State Fair Sewer. P. A. Fellows, City Hall, engr.

Mich., Iron River — Making preliminary plans extending vitr. or concrete sewers in various streets. $125,000. Hood, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ill., Matteson—Making plans sewage disposal system for Lincoln Highway Sanitary Dist. $1,000,000. Barker, Flavin, Sheets & Wallace, 160 North La Salle St., Chicago, engrs.

Ill., Tessville (mail Morton Grove)—Making plans lateral sewers in various streets. $150,000. Barker, Flavin, Sheets & Wallace, 160 North La Salle St., Chicago, engrs.

Wis., Stevens Point — A. Wallace, city clk., making plans 14,000 ft. 30- to 48-in. vitr., segmental block or rein.-con. sewers in Patch St., Bliss and Michigan Ayes. $150,000. J. F. Maxfield, City Hall, engr.

Ia., Neola—Takes bids in spring, complete sanitary sewerage system, incl. disposal plant, etc. $25,000 and up. Nixon & Reynolds, 305 Grain Exch. Bldg., Omaha, Neb., engrs. Noted Sept. 16.

Ia., Sidney—Takes bids in winter, 40,000 ft. 8- to 15-in. sanitary sewers incl. inlets, manholes, also complete sewage disposal plant, incl. Imhoff tank, trickling sprinkler, sludge bed, etc. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted Aug. 19.

Minn., Windom — Plans election in November $40,000 bonds, storm sewerage system. P. G. Redding, city clk.

Kan., Wellsville—Election in November $45,000 bonds, sanitary sewerage system. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted July 8.

Mo., Clayton—Making plans 2,835 ft. 3 ft. 6 in. diam. segmental block sewers, etc. north of here on road east of North and South Rd. in Joint Sewer Dist. 9. $102,-199. Keck Surveying Co., 808 Chestnut St., St. Louis, engrs.

Ark., Conway—Plans 3 mi. sewers, rebuilding disposal plant, etc. $75,000. Parks Eng. Co., Pine Bluff, engrs. Noted June 24.

Ark., Hot Springs—Soon takes bids 30,-000 ft. 6 and 8 in. vitr. clay sewers, small disposal plant, etc., in Sewer Impvt. Dist. 86. $32,000. Smith & Annen, City Hall, engrs.

Tex., Estelline—Voted $40,000 bonds, complete sewerage system. Morrison & Hasie, Memphis, engrs.

Tex., Levelland — Election soon $100,000 bonds, sewer and waterworks systems. Address Mayor.

Tex., Marfa—Voted $64,000 bonds, complete sewerage. C. Duckworth, city secy. Noted Sept. 16.

Okla., Lexington — Made preliminary plans new sewerage system. $26,000. L. T. Moon, mayor. Engineer not selected.

Okla., Paden—Plans 27,700 ft. 6- to 12-in. mains, etc., in all streets. $28,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Colo., Denver—Making plans approximately 5 mi. monolithic concrete main sewer lines from East 13th Ave. and Colorado Blvd. to 39th St. and Platte River, Park Hill Sewerage System. $1,008,000. Total $3,000,000. A. K. Vickery, City Hall, engr.

Wash., Longview—Soon takes new bids sewage treating plant, also trunk and lateral sewers in various streets in Impvt. Dist. 16. $130,000. G. Norris, Kelso, engr. Noted Aug. 19.

Calif., Los Angeles—Made plans 4,870 ft. 24- to 48-in. rein-con. sewer, etc. in Orange St. and Fairfax Ave. Storm Drain Dist. G. Jones, Hall of Records, city engr.

Calif., San Bernardino — Election soon $300,000-$400,000 bonds, sewers in various streets. Burns & McDonnell Eng. Co., 400 Interstate Bldg., Kansas City, Mo., engrs.

Calif., San Jose—Election Nov. 2, $25,000 bonds, sewerage system and disposal plant, in Alum Rock Park; also $75,000 bonds, sewage disposal system. W. Popp, city engr.

Calif., Santa Cruz—Rejected bids sewers in Pilkington Lane, etc. Noted Sept. 23.

Calif., Stockton — Made specifications, North Sewage Disposal Plant, 10 in. pump, 75 hp. motor and 50 hp. compensator to increase pumping capacity. W. B. Hogan, city engr.

Bids Desired

Mass., Boston—Oct. 14, by Dept. Pub. Wks., Boston, sewerage works in Roxbury; and Oct. 15, in various streets, in Brighton. $25,000. J. H. Sullivan, comr.

N. Y., East White Plains — Oct. 22, by Comrs. Town of Harrison, Sewer Dist. 2, Silver Lake Fire House, 11 mi. sewer, etc. in Silver Lake Park; adv. E. N.-R. Oct. 7.

N. Y., Long Island City—Oct. 11, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers, etc., in Marshall Pl., Sothern and Alstyne Aves.

N. Y., New York—Oct. 15, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sewers, etc., in Ave. C, East 8th and 11th Sts.

Pa., Chester — Oct. 15, at office G. J. Hunter, supt. Streets & Pub. Impvts., constructing Sect. 1 West End Intercepting Sewer. Barker & Wheeler, 36 State St., Albany, N. Y., consult. engrs.; adv. E. N.-R. Oct. 7.

Pa., Phila.—Oct. 13, by Dept. Pub. Wks., Bureau of Engineering, Schedule A, branch sewers in Aramingo Ave., Erdrick, Foust, Scattergood and Vaux Sts.; Schedule B, main sewers in Greenwood, Magee and Whitaker Sts.; and Schedule C, test borings for 12 months period per vertical foot. G. H. Biles, dir.

Md., Baltimore—Oct. 13, by Bd. Awards, 2,185 lin.ft. 48- to 60-in. rein.-con. drain, 3,050 lin.ft. 15 and 18 in. vitr. sewer and drain, also 2,150 lin.ft. 4 and 6 in. underdrain in miscellaneous districts, Storm Water Contr. 96. M. J. Ruark, 311 Courtland St., sewerage engr.

Fla., Jacksonville — Oct. 13, by City Comm., sewers in Hockaday Ave., etc. F. H. Owen, chn.

Ala., Birmingham — Nov. 10, by City Comm. sewers in 15 blocks in East Birmingham. $40,000.

O., Cleveland — Oct. 13, by Bd. Comrs. Cuyahoga Co., 3,200 ft. 8- to 24-in. concrete, vitr. clay or segmental block sewers in Memphis Ave., Impvt. 114. F. Williams, Court House, engr.

Ill., Chicago—Oct. 14, by Clerk Sanitary District of Chicago, 910 South Michigan Ave., Des Plaines River Intercepting Sewer Contr. 2, Gate Chambers, in villages Maywood, Broadview, Forest Park, River Forest and Proviso Twp. lying between these villages. M. Eller, chn. com. on finance; adv. E. N.-R. Oct. 7.

Ia., Grinnell—Oct. 18, by City Clerk, sewage disposal plant with equipment. $50,000. R. B. Slippy Eng. Co., Lafayette Bldg., Waterloo, engrs. Noted July 8.

Kan., Robinson—Oct. 12, by E. T. Archer & Co., engrs., 609 New England Bldg., Kansas City, Mo., sewers in various streets, here, for City $25,000. Noted Sept. 16.

Neb., Chappell—Oct. 18, by City, 25,372 ft. 8- to 12-in. sewers, disposal plant, etc. in Sanitary Sewer Dist. 1. $48,304. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Calif., Davis—See "Contracts Awarded"

Calif., Los Angeles—Oct. 13, by County Sanitation Dist. 5, 9,124 ft. 36- to 42-in. rein-con. sewer, etc. between Amesoy Ave. and Bway.; also by County Sanitation Dist. 2, 12,256 ft. 42 in. rein-con. sewer, etc. from south boundary of Dist 2 to Harding Ave. A. K. Warren, Law Bldg., ch. engr.

Calif., San Francisco — Oct. 13, by Bd. Pub. Wks., Sect. B, 43rd Ave. sewerage system, 2,972 lin.ft. 2 x 3 ft., 68 lin.ft. 3 x 4½ ft., 3,463 lin.ft. 3½ x 5½ ft. and 3,088 lin.ft. 4½ ft. rein.-con. pipe with portions of inverted lined with vitr. brick, 70 lin.ft. 21 in. ironstone pipe, etc., for City and San Francisco Co.

Que., Lasalle—See "Waterworks."

Ont., Toronto—Nov. 2, by T. Foster, mayor, City Hall, 1,500,000 imperial gal. sewage pump for main sewage station Tender 53. $10,000. R. C. Harris, City Hall, engr. Noted Sept. 23.

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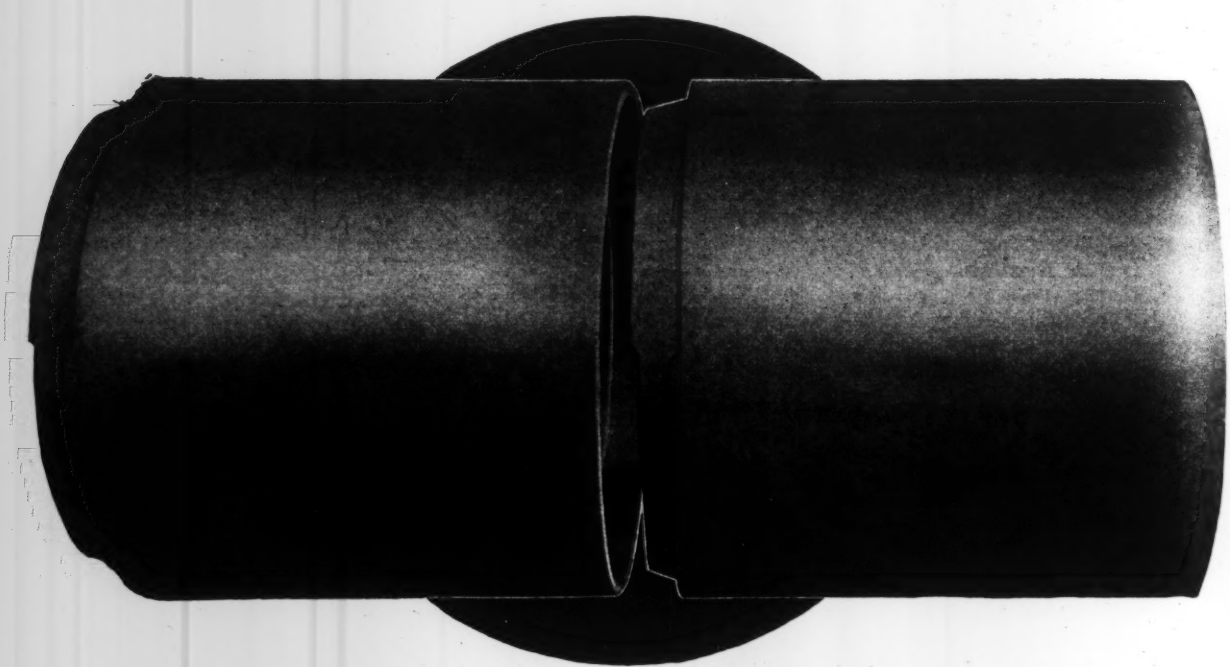

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Sewers (Continued)

Bids Received

Mass., Gloucester—Bd. Sewerage Survey, City Hall, Sept. 27, outfall sewer and appurtenances in Gloucester Harbor, from Crandall Eng. Co., 102 Border St., East Boston, $213,583. Noted Sept. 9.

N. Y., Brooklyn—J. J. Byrne, comr. Pub. Wks., Boro Hall, Sept. 29, sewer in Avenues O and M, from R. Nazzarro, Inc., 1550 62nd St., $59,378 and $998 respectively; in Sutter Ave., from Tomassetti & Co., Inc., 1133 60th St., $2,367. Noted Sept. 23.

Md., Baltimore — Bd. Awards, Sept. 29, storm drains, sanitary sewers, and railroad tunnel in Sewer Dist. 38, Storm Water Contr. 91, from H. T. Campbell Sons Co., Towson, $120,858. Noted Sept. 23.

O., Maple Heights (Bedford P. O.)—Sewers and watermains in Maple Heights and South Blvds., from Curro & Whittaker, Engineers Bldg., Cleveland, $39,271 and $11,455 respectively. Noted Sept. 30.

Contracts Awarded

N. Y., Brooklyn—J. J. Byrne, comr. Pub. Wks., Boro Hall, storm water outlet in West 10th and West 12th Sts., to Carrozza Constr. Co., 21 East 40th St., New York City, $1,599,090. Noted Sept. 30.

N. J., Tenafly—Tenafly Boro, Boro Hall, sewage disposal plant, to Maggi & Schoonover, Hawthorne, $219,584. Noted Sept. 23.

Md., Baltimore — Bd. Awards, storm drains and sanitary sewers in Sewer Dist. J-4, Storm Water Contr. 92, to F. Angelozzi, 238 Albermarle St., $220,956. Noted Sept. 30.

Fla., Fort Myers—City Clerk, constructing complete waterworks and sewerage system, to Walker-Elder Constr. Co., 908 Builders Exch. Bldg., San Antonio, Tex. $1,329,826. Noted Aug. 26.

Fla., Jacksonville — Sewers in various streets, to Dysard Constr. Co., Austell Bldg., Atlanta, Ga., approximately $240,000.

Fla., Palmetto — Complete sewerage system, to Walker-Elder Constr. Co., 908 Builders Exch. Bldg., San Antonio, Tex., $28,238.

O., Brooklyn Heights (Cleveland P. O.)—Sewers in West 5th St., to Abood & Lewis Constr. Co., 626 Huron Rd., Cleveland, $11,682; in Tuxedo Ave., to J. Cogito Rapid Constr. Co., Huron-Sixth St., Cleveland, $11,447; and in North St., to Yahva Bros., 3196 West 25th St., Cleveland, $4,968. Grand total $28,097.

O., Maple Heights (Bedford P. O.)—Sewers in East 141st St., to Hadded-Mall Co., Schofield Bldg., Cleveland, $50,995. Noted Sept. 30.

Mich., Detroit—Dept. Pub. Wks., Lateral Sewers 4439 and 4677, to W. Blanck Co. Inc., 40 East Seven Mile Rd., $85,715; Laterals 4650, 4676 and 4683, to J. and A. Pontarelli, 3459 St. Aubin St., $42,123; Lateral 4680, to P. Cappello, 9329 Kresge St., $3,030; Lateral 4687, to Di Ponio & Di Cicco, 521 East State Fair Ave., $2,236; Lateral 4688, to C. Brakke, 516 Transportation Bldg., $3,300; and Lateral 4689, to United Sewer Corp., 516 Transportation Bldg., $54,900. Grand total $191,304.

Ill., Hazel Crest—Sanitary sewers and disposal plant in 169th and various other streets, to Pronger Bros., Blue Island, $152,056. Noted Aug. 26.

Ill., Vandalia—Sewer Dist. 3, 13,716 ft. 8 in. and 4,503 ft. 12 in. vitr. clay sewers, 21,880 lb. cast iron, etc., to J. Doaz, Le Roy, $32,393. Noted Apr. 1.

Wis., Beloit—G. E. Heebink, city engr., 3,070 ft. 24- to 54-in. concrete or vitr. sewers in Tail Race, St. Lawrence Ave. and 4th St., to Osburn & Klingberg, 145 West Grand Ave., $21,759.

Wis., Kenosha—O. M. Osborn, city mgr., 12,715 ft. 8- to 48-in. vitr. or concrete sewers in various streets, to P. Frandsen, 1126 Sellick Ave., $45,202.

Wis., Milwaukee — W. J. Barbeau, clk Lake Twp., Milwaukee Co., concrete or vitr. concrete sewers in various streets, to Wenzel & Henoch Constr. Co., 498 27th St., Milwaukee, $25,000. Noted Sept. 30.

Wis., Milwaukee—J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., 9,310 ft. concrete main sewer Sect. 2 Grand Ave. extension in Wauwatosa Twp., to Wenzel & Henoch Constr. Co., 498-27th St., $241,370. Noted Sept. 16.

Wis., North Milwaukee — Metropolitan Sewerage Comn., J. H. Fowles, secy., 508 Market St., Milwaukee, sewage booster station, Villard St., to Nevada Constr. Co., 466 Milwaukee St., Milwaukee, $33,112.

Mo., West Plains—V. Simons, city clk., City Hall, sewage disposal plant and 75,890 ft. 6- to 12-in. vitr. clay sewers in various streets, to W. B. Carter Constr. Co., U. B. Bldg., Sioux City, Ia., $87,778. Noted Sept. 16.

Ark., Pine Bluff—See "Streets and Roads."

Tex., Corsicana—For 2½ mi. 10 in. concrete sewer line from city limits to State Orphans Home, to Agar & Gentry, San Benito, $45,000.

Tex., San Angelo—Completing contract for collection system of sewer plant, to Kirkwood, Wharton & Lee, 456 Main Ave., San Antonio, approximately $60,000.

Calif., Davis—University of California, will build sewerage system and disposal plant at University Farm, here by day labor. Former bids rejected. Noted Aug. 12.

Calif., Los Angeles—County Sanitation Dist. 1, Holmes-Willowbrook Trunk Sewer, vitr. clay pipe, to T. Haverty Co., 8th St. and Maple Ave., $129,955. Noted Sept. 2.

Bridges

Proposed Work

Miss., Magnolia—Pike Co., making preliminary plans rein.-con. and steel bridge across Little Tangipahoa River at eastern terminus Bway. $35,000.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Oct. 25, 60 ft. steel truss bridge on concrete abutments over Big Creek, Campbell Co. To exceed $25,000. C. N. Bass, highway comr.

Tenn., Loudon—State Dept. Highways & Pub. Wks., Nashville, making preliminary surveys bridge over Tennessee River, here, Loudon Co. $45,000. C. N. Bass, highway engr.

Wis., Oconto Falls—City and Oconto Co. plan 265 ft. bridge over Oconto River, here. $45,000. A. W. Johnson, city clk.

Nebraska — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Mo., St. Joseph—Soon takes bids concrete bridge at 13th St., $10,000; also one over Whitehead Creek, $15,000. W. M. Spann, City Hall, engr.

Tex., Brenham—Washington Co. making plans 2 span, 140 ft., rein.-con. and steel bridge with timber trestle approach across Brazos River. $275,000. G. A. Bracher, Brenham, co. engr.

Tex., Milam—See "Streets and Roads."

Tex., Raymondville—See "Streets and Roads."

Okla., Cashion — Oklahoma Co. (Oklahoma City), making preliminary plans 2 span 110 ft. rein.-con. trestle bridge on county road, 4 mi. from here. $27,500. R. S. James, Court House, Oklahoma City, engr.

Okla., Pocassett—State Hy. Dept., Oklahoma City, making preliminary plans 2 span 120 ft. steel truss bridge on concrete piers here, Grady Co. $30,000. J. M. Page, highway engr.

Okla., Ripley—State Hy. Dept., Oklahoma City, making preliminary plans new 3 span 320 ft. steel truss bridge on concrete piers over Cimmaron River, Payne Co., near here. $70,000. J. M. Page, highway engr.

Wash., Chelan—Chelan Co. (Wenatchee) making plans replacing present steel truss span bridge with nine 50 ft. 9 in. rein.-con. girder span bridge, 20 ft. roadway and two 4 ft. sidewalks, over Chelan River, here. J. Duff, Wenatchee, co. engr.

Calif., San Jose—Plans election $275,000 bonds, bridges within city limits. W. Popp, city engr.

Bids Desired

La., Boyce — Oct. 19, Rapides Parish Police Jury, B. F. Thompson, pres., Alexandria, 200 ft. fixed steel, and 320 ft. draw span bridge, etc., over Red River, here. $152,000. Noted Sept. 10.

Tennessee—See "Streets and Roads."

Tex., Cold Springs — See "Streets and Roads."

Tex., Galveston — See "Streets and Roads."

Tex., Wichita Falls—Oct. 18, by J. M. Isbell, engr., Wichita Co., 140 ft. timber, steel and concrete bridge across Wichita River, for Wichita Co., c/o E. P. Walsh, aud. $28,000.

California—Oct. 18, by State Hy. Comn., Sacramento, two 30 ft. and 40 ft. arch span concrete bridges west of Calabasas, Los Angeles Co.; also repairing eight 30 ft. span concrete girder bridge across Conejo Creek, about 2½ miles east of Camarillo, Ventura Co. R. M. Morton, highway engr.

Calif., Los Angeles — Oct. 18, by Bd. Supervs. Los Angeles Co., seven 60 ft. span Howe truss bridge, on Beverly Blvd. To exceed $25,000. H. E. Armstrong, Hall of Records, engr.

Bids Received

D. C., Wash. — Dist. Comrs., District Bldg., repairing swing span of Highway Bridge, from Bethlehem Steel Co., Bethlehem, Pa., at cost plus 15%. Noted Sept. 2.

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, Sept. 30, highway and railroad bridge known as Cottage Farm Bridge, 170 ft. steel span, 3 concrete arches 60 ft. wide over Charles River, at Essex and Brookline Sts., from T. Stewart & Son, 222 Pearl St., Newton, $1,118,350. Noted Sept. 23.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, (e. e. means engrs. est.), bridges in Posey Co., from R. E. Wilson, Mt. Vernon, $11,609 e. e. $12,313, Dubois Co., from W. H. Shons Co., Freeport, Ill., $82,953 e. e. $87,492, Hendricks and Morgan Counties, from R. H. King, Danville, $49,729 and $32,446 respectively, e. e. $55,447 and $34,082 respectively, Marion Co., from Standard Eng. & Constr. Co., 2463 Bway., Toledo, O., $11,537 e. e. $11,938, Huntington Co., from I. E. Smith Constr. Co., Richmond, $76,445 e. e. $82,525, Miami Co., from Elkhart Bridge & Iron Co., Elkhart, $32,447 e. e. $34,389, Porter Co., from General Constr. Co., Gary, $45,460 e. e. $50,040, Clark Co., from R. I. Schutt, Greencastle, $19,495 e. e. $19,886; Hamilton Co., from Kuert Constr. Co., 603 Occidental Bldg., Indianapolis, $49,851 e. e. $52,823, and Owen Co., from Steel Bros. & Co., Sullivan, $27,169 e. e. $29,187; small culverts and grading 36,000 cu.yd. in Davis and Pike Counties, from Fritch Bros., Jasper, $15,399 e. e. $23,113, also Owen and Davis Counties, from E. C. Wright, Bloomfield, $12,785 and $30,189 respectively, e. e. $15,702 and $34,665 respectively. Noted Sept. 16.

Michigan—R. A. Beers, resident engr., Kalamazoo, Sept. 22, T. L. Bridge 111,202, 45 ft .span, steel deck girder, Berrien Co., from Green Constr. Co., Muskegon, $24,639; structural steel, from Jarvis Eng. Wks., Lansing and Mt. Vernon Bridge Co., Mt. Vernon, O., each $1,950 for State Hy. Dept., Lansing. Noted Sept. 16.

Contracts Awarded

N. Y., Bronxville—Westchester Co. Park Comn., 72 Pondfield Rd., 4 stone faced rein.-con. bridges on Hutchinson River Parkway, Mt. Vernon, New Rochelle, North Pelham and East Chester, to Garafano Constr. Co., 721 College Ave., Mt. Vernon, $113,614. Noted Sept. 30.

N. J., Freehold—Bd. Freeholders Monmouth Co., draw bridge at Belford, to Parker & Graham, Inc., 5 Colt St., Paterson, $57,685. Noted Aug. 26.

W. Va., Morgantown—Monongalia Co., steel superstructure, bridge over High St., to Pittsburgh-Des Moines Bridge Co., Curry Bldg., Pittsburgh, Pa., $85,480. Noted Aug. 26.

Ohio—Dept. Hys. & Pub. Wks., Columbus, concrete bridge over Two-Mile Creek, Sect. "B" Hamilton-Richmond Rd., Butler Co., to V. F. Hughes, Hamilton, $6,929; bridges, etc. on 0.826 mi. Sect. "N" Jackson Pomeroy Rd., Vinton Co., to Koffroth & Owens, Richmond, $10,980. Noted Sept. 30.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, two 26 ft. span concrete slab bridge on Maintenance Road-4-A, Sect. C-1, Will Co., and three 50 ft. span concrete girder bridge with paved approaches on Maintenance Route 21, Sect. GB, Cook Co., to Joliet Bridge & Constr. Co., Joliet, $11,363 and $55,991 respectively; ten 20 ft. span structural steel bridge on Route 13, Sect. 4-C, Saline Co., to Hay & Sons, Booneville, Ind., $9,950; five 40 ft., four 45 ft., two 60 ft., one 33 ft., two 16 ft., and one 14 ft. concrete slab and girder railroad over head bridge on Route 25, Sect. 22-V, Douglas Co., to V. C. Conner, Newton, $46,915. Grand total $124,219. Noted Sept. 16.

Tex., Abilene—See "Streets and Roads."

Tex., Houston—Houston & North Shore Electric Ry., one 160 ft. steel and five 60 ft. approach span bridge, etc. across San Jancinto River, to Austin Bridge Co., 1813 Clarence St., Dallas, cost plus basis.

Tex., Waxahachie — Ellis Co., four 12 span, 337 ft. concrete girder bridges on Highway 6, to F. Purvis, F. & M. Bank Bldg., Ft. Worth, $29,586. Engrs. est. $33,800.

Colorado—See "Streets and Roads."

Ont., Toronto—Syndicate, c/o G. Wright, Toronto, H. Stephens, Niagara Falls, A. Randall, Buffalo, N. Y. et al, made application to Canadian Parliament for incorporation of Company to be known as Niagara Memorial Bridge Co., to construct new bridge 70 ft. wide across Niagara River between International bridge and Niagara Falls. $4,000,000.

Calif., Delta—State Hy. Comn., Sacramento, rein.-con. bridge across Dog Creek, 1 mi. south of here, Shasta Co. to E. M. Bordwell and G. E. Brugge, Napa, $110,125. Engrs. est. $104,930. Noted Sept. 16.

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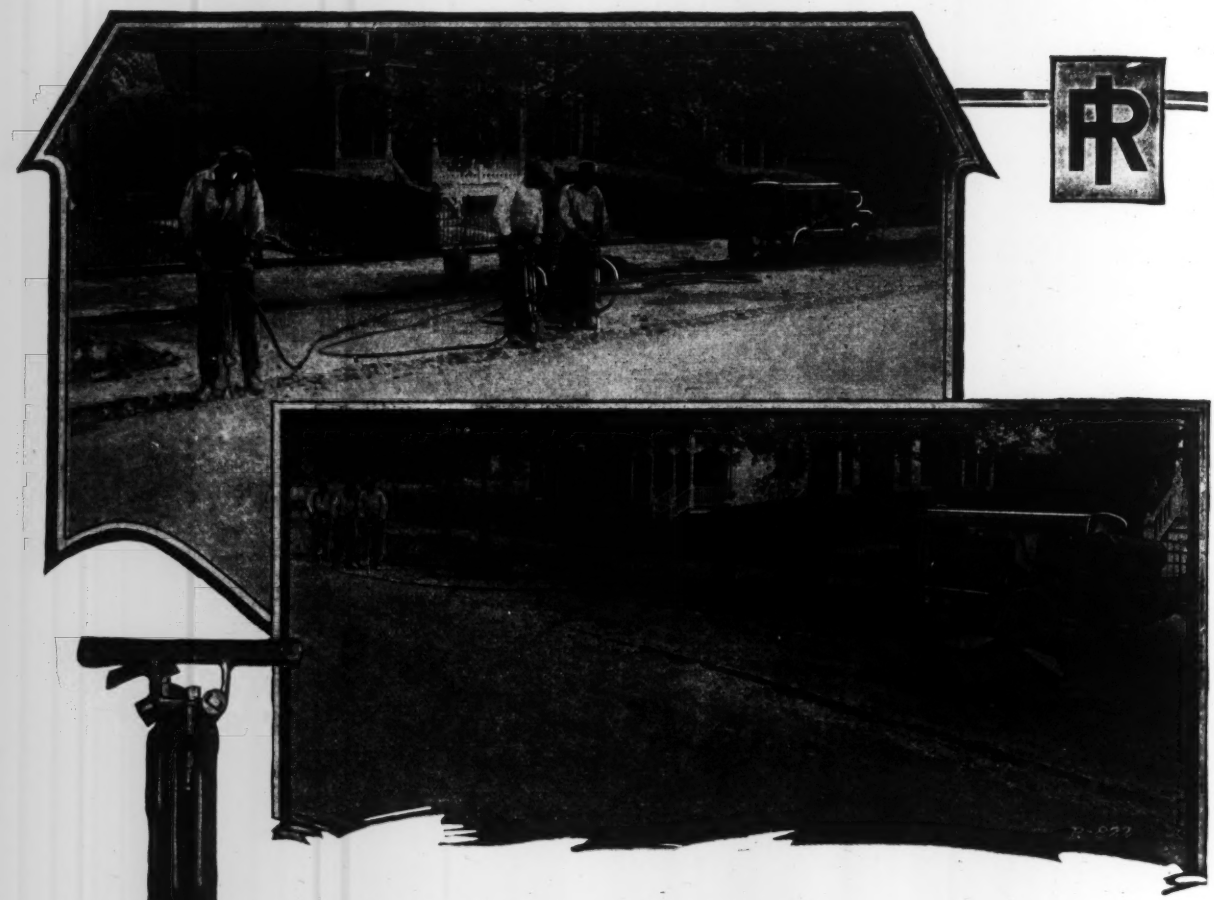

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Bridges (Continued)

Calif., Oakland — Alameda Co. — Rein.-con., steel and concrete girder bridge over San Lorenzo Creek, here, to Rocca & Caletti, 185 Stevenson St., San Francisco, $34,937. Noted Sept. 9.

Dams

Proposed Work

Wis., Whitewater — Morgan & Reddy making plans approximately 150 ft. earth fill concrete core reservoir dam at Whitewater Chain of Lakes. $25,000. G. W. Posey, Elkhorn, engr.

Bids Desired

Wis., Menomonee — See "Contracts Awarded."

Contracts Awarded

N. H., Hooksett—Manchester Traction Light & Power Co., concrete dam, to Morton C. Tuttle Co., Park Sq. Bldg., Boston, engrs. Engrs. est. $25,000 or more.

Wis., Menomonee — Northern States Power Co., 2 South Barstow St., Eau Claire, will repair concrete dam, by day labor. $50,000.

Railways

Proposed Work

Vermont—Boston & Maine R.R. Co., F. C. Shephard, ch. engr., North Sta., Boston, Mass., plans classification yard and station, incl. doubling trackage and longer sidings between Concord and White River, here. $500,000.

Alabama, Florida and Mississippi—Muscle Shoals, Birmingham & Pensacola R.R. c/o St. Louis & San Francisco R.R. Co., Frisco Bldg., St. Louis, Mo., F. G. Jonah, ch. engr., gravel ballasting various parts of 143 mi. main line from Kimbrough, Ala. to Pensacola, Fla., to R. F. Carr, Exch. Bldg., Memphis, Tenn., approximately $50,000; and laying 90 lb. steel rails at various points to Z. Gardner, McAllister, Okla., approximately $70,000.

Mississippi—Yazoo & Mississippi Valley R.R. Co., c/o Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., A. F. Blaess, ch. engr., plans new turntable, 75 ft. storage tracks, conveyor, 100,000 gal. steel tank, sand dryer office, locker building, etc. at Cleveland. $160,000.

Illinois — Southern Illinois & Kentucky R.R. Co., c/o Illinois Central R.R. Co., 135 East 11th Pl., Chicago, A. F. Blaess, ch. engr., two 100,000 gal. creosoted water tanks, two 12 in. water columns, and approximately 6,000 ft. 8 in. c.i. pipe at West Frankfort Junction, to Railroad Water & Coal Handling Co., 608 South Dearborn St., Chicago, engrs. est. $25,000; also pumping station and deep well water supply at Reevesville, to J. E. Nelson & Sons, 3240 South Michigan Blvd., Chicago, $45,000.

Illinois—Lowell & Southern R.R. Co., c/o Chicago, Burlington & Quincy R.R. Co., 547 West Jackson Blvd., Chicago, A. W. Newton, ch. engr., plans 4 mi. railroad from Lowell to point 1 mi. northeast of Lenore, La Salle Co.

Arkansas — Missouri-Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., plans railroad from Nashville extending to point 7.5 mi., here. $193,000.

Arkansas—Reader R.R. Co., Reader, G. F. Thomas, traffic mgr., 419 Boyle Bldg., Little Rock, plans 63 mi. railroad from Hope to Eldorado, and extending 15 mi. railroad from present line to McNeill.

California—City of San Francisco and San Francisco Co. making estimates municipal railway extensions into Sunset Dist. in San Francisco. $500,000 or more. M. M. O'Shaughnessy, city engr.

Bids Received

California—Los Angeles Co. Flood Control Dist., Sept. 23, grading for 11 mi. railroad from Azusa to forks of San Gabriel Canyon, Los Angeles Co., from Nevada Constr. Co., Fallon, Nev., approximately $276,500. Owner furnishes cement, steel, pipe, timber, etc. Noted Sept. 23.

Contracts Awarded

Mississippi—New Orleans Great Northern R.R. Co., 909 Whitney-Central Bldg., New Orleans, La., W. E. Farris, vice-pres. and genl. mgr., plans extending 6.65 mi. railroad from Nogan to Jackson, Hinds Co., incl. terminals in Jackson.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. Y., Buffalo—See "Buildings—Industrial."

Mich., Detroit—Dept. Pub. Wks. made plans and surveys dredging approximately 1,819 ft. Connors Creek, 16,362 yd. earth excav. P. A. Fellows, City Hall, engr.

Ill., Carthage—Hunt D. D., G. H. Hoffman, chn., Warsaw, soon takes new bids Division 1, Rock Run Diversion Channel, 1,421,500 cu.yd. excav., Sect. 2, five 20 ft., six 30 ft., eight 50 ft. and two 60 steel highway bridges with 14 ft. roadway, one 50 ft., six 30 ft. and six 20 ft. timber bridges with 12 ft. roadway, and ten 30 x 30 ft. steel culverts pipe with concrete headwalls, etc. Goodell & Millard, Beardstown, engrs. Former bids returned unopened. Noted July 29.

Minn., Crookston — Comrs. Polk Co. making plans Judicial Ditch 75, 22 mi. long, 24 ft. wide at bottom, 900,000 cu.yd. excav. $85,000. S. Steenerson, Crookston, co. engr.

Nebraska—Thirty Mile Canal Co., F. E. Parham, pres., Gothenburg, making plans 30 mi. main canal, 26 stub concrete bridges, head gates, and 40 mi. laterals in Dawson Co. $250,000. C. A. Edwards, Gothenburg, engr.

Tex., Laredo—Webb Co. Water Impvt. Dist., c/o G. S. Marshall, chn. com., making preliminary surveys irrigating 50,000-75,000 acres land, incl. retention dam, on Santa Isabella Creek, pumping plant, etc., near here. $1,500,000. Private plans.

Calif., San Pedro—See "Buildings—Commercial."

Bids Desired

N. Y., New Rochelle—Oct. 13, by Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, dredging and filling between islands at Glen Islands Park, here. J. Downer, ch. engr.; adv. E. N.-R. Oct. 7.

N. Y., New York—Oct. 8, by M. Cosgrove, comr. Docks, Pier A, Battery Pl., dredging pier foot Fordham Landing Rd., Harlem River, Boro Bronx.

Illinois—Oct. 27, at office Dept. Purchase & Constr., Div. Waterways, State House, Springfield, Brandon Road Pool, in Joliet and vicinity. M. G. Barnes, ch. engr.; adv. E. N.-R. Oct. 7. Noted Mar. 4.

Minn., Duluth—Oct. 18, by P. G. Phillips, city comr., cutting through point of rocks to open 2,800 ft. Superior St. between 8th and 14th Aves. W., 52 ft., incl. 380,000 tons rock removed and broken into various sizes for street work, and constructing breakwater along lake water front. $600,000. J. Wilson, city engr.

Egypt, Alexandria—Nov. 1, by Irrigation Dept., Ministry of Pub. Wks., constructing lock, incl. steel and ironwork, regulator, swing bridge, masonry, etc., at Kfr Bulin, here.

Bids Received

N. Y., Poughkeepsie—Dept. Pub. Wks., 353 B'way., Albany, F. S. Greene, supt., Sept. 30, retaining wall and stairs along South Water St. adjacent to easterly approach Mid-Hudson Bridge, here, from W. O. Lloyd & Co., Inc., 54 Market St., $3,926. Noted Sept. 16.

D. C., Wash.—Dist. Comrs., Dist. Bldg., Sept. 24, retaining wall at McKinley High School, from H. S. Hatton Constr. Co., Bond Bldg., $47,750. Noted Sept. 23.

Calif., Los Angeles — Los Angeles City Harbor Dept., 215,000 cu.yd. wet dredging in Yacht Anchorage, East Basin, from Western Dredging Co., 58 2nd Ave., San Francisco, $50,525. Noted Sept. 23.

Contracts Awarded

Massachusetts—Commonwealth of Massachusetts, Dept. Pub. Wks., Boston, dredging 22,000 cu.yd. Mystic River, Charlestown, to Bay State Dredging & Constr. Co., 62 Condor St., East Boston, $10,580.

N. Y., Long Island City — M. Connolly, pres. Queens Boro, Queens Subway Bldg., dredging for channel from Panama St. sewer outlet to Bergen Basin, to W. H. Gahagan Realty Co., Inc., 147 Remsen St., Brooklyn, $24,750. Noted Sept. 16.

N. Y., New York — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., excavating at 207th St. Yard, Agreement "ES," to S. S. Jones, 473 West 158th St., $24,000.

N. Y., Oceanside (mail Rockville)—Edgeworth Smith Corp., 225 West 34th St., New York City, 1,200,000 cu.yd. fill, here, to Amato-McCarron, Inc., 501 5th Ave., New York City, and Hewlett, $325,000.

O., Cleveland — Bulkhead, incl. wood piling with stone along Lake Erie at Gordon Park, to Great Lakes Dredge & Dock Co., Williamson Bldg., $365,000. Noted Apr. 29.

Ia., Fairfield—At office Auditor Jefferson Co., constructing Cedar Creek D. D. 2, 9,350 ft. ditch, 70,500 cu.yd. excav., and Cedar Creek D. D. 3, 8,650 ft. ditch, 76,000 cu.yd. excav., to Martin Day Co., 310 Little Building, Lincoln, Neb. at $0.097 per cu.yd. Noted Sept. 2.

Ia., Red Oak—C. Nimrod, aud. Montgomery Co., 10 mi. drainage ditch in Walnut Creek D. D., to Boyne Constr. Co., Council Bluffs, at $0.066 per cu.yd. Noted Sept. 9.

Calif., Belmont — San Francisco Bay Terminals Co., 564 Market St., San Francisco, dredging, here, to United Dredging Co., 414 13th St., Oakland, approximately $2,500,000.

Calif., Montague—R. E. Swigart, secy. Montague Irrigation Dist., Shasta River dam, earth fill type, to Nevada Contg. Co., Fallon, Nev., $353,100; main canal, to C. R. Adams, Colfax, Calif., $113,800; laterals A North, A South, B, C and Montague, to Haas, Doughty & Jones, Merchants Exch. Bldg., San Francisco, $35,540; and pumping plant, to C. and G. K. Thompson, Brockman Bldg., Los Angeles, $19,957. Grand total $522,397. Noted May 6.

Calif., Santa Monica—Breeze Beach Club, 350 ft. Bulkhead along ocean front as protection for club, to A. T. Cummins, Santa Monica, $25,000.

Streets and Roads

Proposed Work

Massachusetts—State Hy. Dept., Boston, making plans bituminous macadam paving, etc. Northern Traffic Artery from Morton St. R.R. Bridge to Neponset Bridge and from Hancock St. Quincy to Quincy Ave., in Boston and Quincy. $1,800,000. W. D. Williams, comr.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg. rejected bids Sept. 1, sheet asphalt paving Central Ave. Will readvertise. Noted Sept. 16.

N. J., Freehold — Monmouth Co. plans improving 2.7 mi. Sect. 1 Keansburg-Keyport Rd.; 2 mi. Englishtown-Tennent Rd.; 1 mi. River Rd., Belmar; and 2 mi. Como-Muddy Brook Rd. G. K. Allen, Red Bank, N. J., engr.

Pa., Wilmerding—Boro. Council plans rein.-con. paving, etc. Bolla, Howard and Glenn Sts. $60,000.

W. Va., New Martinsville—Center Dist. election Nov. 2, $175,000 bonds, improving roads in Wetzel Co. W. H. Ramp, New Martinsville, engr.

W. Va., Wheeling—Jefferson Dist. election Oct. 5, $333,000 bonds, improving roads in Kanawha Co. R. R. Barton, Charleston, co. engr.

North Carolina — State Hy. Comn., Raleigh, plans grading, surfacing, etc. Lenoir-Blowing Rock Rd. in Caldwell and Watauga Counties. $75,000. L. R. Ames, Raleigh, engr.

N. C., Asheboro—Plans paving various streets.

N. C., Greensboro—Plans issuing $1,000,000 bonds, constructing and reconstructing various streets. P. C. Painter, city mgr.

N. C., Greensboro—Comrs. Guilford Co. plan hard surfacing 5 mi. roads from Guilford battleground via Greensboro pumping plant, to Hillsdale. $125,000. W. C. Jones, High Point, comr.

N. C., Raleigh—Plans election $750,000 bonds, paving various streets. C. C. Page, Raleigh, comr. Pub. Wks.

Ga., Atlanta—Plans widening Whitehall St. To exceed $25,000.

Miss., Belzoni—Humphreys Co. voted $75,000 bonds, improving roads.

Miss., Laurel—Jones Co., making preliminary plans grading and hardsurfacing 30 mi. Jackson Highway and other roads. $1,250,000.

La., Winnfield—Winn Co. making preliminary plans grading and hardsurfacing 18 mi. road between Tullos and Winnfield, in Wards 1 and 2.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans improving 12 mi. Alamo-Dyersburg Rd., Crockett Co.; and 10 mi. Silverdale-Bradley Co. line Rd., Hamilton Co. C. N. Bass, highway engr.

Tenn., Chattanooga—Hamilton Co. plans improving and permanent paving 26 mi. various roads. Some of above roads will

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Streets and Roads (Continued)

probably be built with state aid funds. W. Cummings, Chattanooga, judge.

Tenn., Linden — Perry Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. road from Pope to Tennessee River. Work will probably be done with state funds.

Tenn., McKenzie—Plans concrete paving 50,000 sq.yd. various streets. $100,000.

Tenn., Nashville — Davidson Co. plans expending $171,000, repairing and maintaining various roads. F. M. Dorris, Nashville, comr.

Ky. Murray—Making preliminary plans grading, curbing guttering and sheet asphalt paving 12,700 sq.yd. 6th, 9th and Vine Sts. $27,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, Okla., engrs.

Ohio—G. F. Schlesinger, dir. Hys. & Pub. Wks., Columbus, rejected bids Sept. 17, grading and concrete paving 0.852 mi. Sect. "L-1" Ohio River Rd., 18-24 ft., Washington Co.

O., Cincinnati—Election in November, $1,000,000 bonds, paving 42 various streets, also $1,000,000 bonds, improving East 3rd St. and Columbia Ave.

O., Columbus—Made plans and soon takes bids grading, curbing, necessary water and sewer connections, and paving with (a) brick (b) asphalt 4,175 sq.yd. Thomas Ave. (a) $26,120 (b) $23,445; 800 cu.yd. McKinley Ave. (a) $31,122 (b) $27,747; and 381 ft. Markinson Ave. (a) $7,628 (b) $6,899. R. R. Simpson, city engr.

O., Columbus—Made plans widening, curbing, relocating hydrants and street signs, grading, and brick paving 10,400 sq.yd. High St. $98,961. R. R. Simpson, city engr.

O., Dayton—Montgomery Co. plans concrete, sheet asphalt rock asphalt or vibrolithic concrete paving 15,000 sq.yd. Triangle Ave., 30 ft. $60,000. W. O. Pease, Court House, Dayton, co. surv.

O., East Liverpool — Soon takes bids asphalt resurfacing 4th St. from Union to Monroe Sts. $30,000. J. A. George, East Liverpool, engr.

Ill., Morris—Soon takes bids grading, curbing and rein.-con. paving 80,000 sq.yd. various streets. P. J. Keller, City Hall, engr.

Ill., Mount Vernon — Soon takes bids grading, curbing, concrete paving, etc. 16,100 sq.yd. streets in Paving Dist. 40. C. Hammond, City Hall, engr.

Ill., Ottawa—Making preliminary plans grading, curbing and concrete paving various streets. $28,000.

Ill., Tipton—Cedar Co. election Nov. 2, $1,129,000 bonds, paving 35 mi. and graveling 137.5 mi. various roads. R. O. Zimmerling, Tipton, co. engr.

Mich., Muskegon—Making plans grading, curbing, guttering, and 2½ in. asphalt on 6 in. stone paving 4,700 sq.yd. Walnut and Thompson Sts. $18,000, grading and 6 in. concrete paving 8,900 sq.yd. Southern Ave., $31,000, and 13,300 sq.yd. Acorn St. $50,000. H. L. Lewis, City Hall, engr.

Wis., Milwaukee — Milwaukee Co. authorized 3.5 mi. concrete road parallel to Blue Mound Rd. between 68th Ave. and County Line Rd., 20 ft. $125,000. W. F. Cavanaugh, 133 2nd St., co. highway comr.

Wis., Wausau — Appropriated $75,000 funds, paving various streets during 1927. B. C. Gowen, City Hall, engr.

Kan., Galena—Making plans concrete paving 13,000 sq.yd. various streets. $30,000. W. L. Rickspeker, city engr.

Kan., Kansas City—Wyandotte Co. making plans bituminous concrete paving 1.12 mi. roads, 18 ft. To exceed $25,000. P. K. Williamson, Kansas City, engr.

South Dakota—State Hy. Dept., Pierre, plans grading, etc., approximately 493 mi. roads in Bennett, Brown, Buffalo, Butte, Campbell, Corson, Custer, Deuel, Dewey, Edmunds, Fall River, Faulk, Haakon, Hand, Jackson, Jerauld, Marshall, McPherson, Meade, Minnehaha, Potter, Spink, Stanley, Sulley, Roberts, Walworth, Tripp and Union Counties.

Mo., St. Joseph—Making plans grading various streets. $60,000. W. M. Spann, St. Joseph, engr.

Mo., St. Joseph—Soon takes bids grading, etc., approximately 2 mi. Hyde Park Blvd. $30,000. W. M. Spann, City Hall, engr.

Ark., Hope—Making preliminary plans grading, curbing and hardsurfacing 25 blocks streets in Paving Dist. 4.

Ark., Hot Springs—Soon takes bids grading, hardsurfacing, etc. 10,000 sq.yd. streets in Paving Dist. 96; and grading, etc. 13,500 cu.yd. in Paving Dist. 88. Smith & Annen, City Hall, engrs.

Ark., Hot Springs—Soon takes bids grading, curbing, concrete or asphalt paving, etc. 20 blocks 5 streets in Paving Dist. 89. $68,933. Smith & Annan, City Hall, engrs. Noted Apr. 15.

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Ark., Pine Bluff—Making preliminary plans grading, curbing and hardsurfacing Pullen and Walnut Sts., Paving Dist. 96. G. B. Smith, City Hall, engr.

Tex., Beaumont—Election Oct. 16, $325,000 bonds, permanent paving 75 blocks various streets. R. C. Black, city engr.

Tex., Dublin—Election Oct. 5, $38,000 bonds paving various streets. Address E. C. Fewell, mayor.

Tex., Kingsville—Election soon $180,000 bonds permanent paving various streets. Address City Engineer.

Tex., Luling—Voted $50,000 bonds, permanent paving various streets. Address C. T. Greenwood, mayor.

Tex., Milam — Making plans grading, bridging and gravel surfacing 14 mi. Cameron-Elgin Rd. from San Gabriel River to Williamson Co. line, 18 ft. $118,000. A. F. Mitchell, Cameron, co. engr.

Tex., Raymondville—Willacy Co. making plans grading, bridging and rein.-con. paving 17.915 mi. Highway 95, 18 ft. $670,000. J. E. Johnson, Raymondville, co. engr.

Tex., San Antonio—Making plans widening and paving 2½ blocks Nueva St. from Garden to South Alamo Sts., 60 ft. $65,000. I. Ewig, city engr.

Okla., Cordell—Plans grading, curbing and concrete paving 10,780 sq.yd. 6th, 11th and North Calvary Sts. $33,000. C. Copeland, mayor. Engineer not announced.

Okla., Kelleyville—Making preliminary plans grading, curbing and concrete paving 14,100 sq.yd. Main St. $45,000. W. S. Ware, mayor. Engineer not announced.

Okla., Oklahoma City—Plans grading, curbing, and asphalt paving 7,700 sq.yd. Walnut St. $37,441. B. M. Hart, City Hall, engr.

Okla., Tulsa—Tulsa Co. soon takes bids 6 and 7 in. rein.-con. paving 3.75 mi. various roads, 18 ft. $65,000.

California—State Hy. Comn., Sacramento, plans widening and paving National Old Trails Highway through Cajon Pass, San Bernardino Co. To exceed $25,000. R. M. Morton, highway engr.

Calif., Beverly Hills—Made plans grading, curbing, guttering, sidewalks, and 2 in. on 4 in. Warrenite surfacing 174,315 sq.ft. San Vicente Blvd., etc. J. C. Albers, city engr.

Calif., Chico—Made plans curbing, sidewalks, etc. on 60,900 sq.ft. Laburnum Ave., The Esplanade, etc. R. DeWitt, city engr.

Calif., Glendale—City Council takes bids about Nov. 24, curbing, sidewalks, guttering and paving, etc., Clevelon and Idlewood Rds. J. H. Johnson, City Hall, engr.

Calif., Huntington Park—Plans election $185,000 bonds, improving Pacific Blvd.

Calif., La Mesa—Plans paving and ornamental street lighting system on Lookout and Date Aves., etc. To exceed $100,000.

Calif., Los Angeles—Takes bids about Nov. 24, grading, curbing, guttering sidewalks and concrete paving Fair Oak View Terrace, Ruby Lane, Museum Dr., Hyde Park Blvd., Florence, Mansfield and Cone Aves. To exceed $50,000. J. C. Shaw, City Hall, engr.

Calif., Los Angeles — Plans Normandie Ave. project, incl. 80 ft. street from Los Feliz to Exposition Sts. and 100 ft. from Exposition to Manchester Sts., $3,000,000; also widening and improving 10th St., $10,000,000-$15,000,000.

Calif., Los Angeles—Bd. Supervs. Los Angeles Co. takes bids about Nov. 21, grading, oil and rock screenings, surfacing, etc. 5,926 sq.ft. Amestoy Ave. $39,566. G. Jones, Hall of Records, engr.

Calif., National City—Plans election $175,000 bonds, paving various streets.

Calif., Oakland—Alameda Co., plans constructing approximately 12 mi. Redwood Canyon Rd. To exceed $140,000. G. A. Posey, Oakland, surv.

Calif., Redwood City — City Trustees taking bids and open same about Oct. 18, grading and 4 in. broken stone on 6 in. concrete paving 144,900 sq.ft. Phelps St. C. L. Dimmitt, city engr. Noted Sept. 9.

Calif., Riverside — Riverside Co. plans paving 6 mi. road in vicinity Lake Elsinore.

Calif., Riverside — Riverside Co. made plans asphaltic macadam paving, etc., 1,059,527 sq.ft. Rd. Dist. Impvt. 17, La Sierra Heights. To exceed $150,000. J. P. Flynn, Loring Blk., engr.

Calif., Santa Cruz—Plans widening, guttering, curbing and paving, etc., Pacific Ave. $25,000 or more. J. K. James, city engr.

Calif., Santa Cruz—Made plans grading, curbing, guttering, sidewalks, 5 in. concrete paving, etc. 154,500 sq.ft. Grant and Emeline Sts. J. K. James, city engr.

Calif., Santa Cruz—Santa Cruz Co. plans election $100,000 or more bonds, concrete paving Cliff Dr. between Santa Cruz and Capitola. L. Bowman, Santa Cruz, co. surv.

Calif., San Jose—Election Nov. 2, $75,000 bonds, constructing roads and bridges in Alum Rock Park. W. Popp, city engr.

Bids Desired

Mass., Boston — Oct. 13, by Dept. Pub. Wks., sheet asphalt or bitulithic paving various streets in Wards 14, 18 and 21. $25,000 bonds. J. H. Sullivan, comr.

Conn., Hamden (br. New Haven)—Oct. 8, by Bd. Selectmen, asphalt on 6 in. macadam paving 14,000 sq.yd. Putnam Ave. $30,000.

N. Y., New York—Oct. 15, by J. Miller, pres. Manhattan Boro, Municipal Bldg., curbing, recurbing and sheet asphalt paving, etc. 168th St., etc.

New Jersey — Oct. 25, by State Hy. Comn., Broad St. Bank Bldg., Trenton, grading, double line rein.-con. paving, etc., 43,281 sq.yd. Route 14, Sect. 15, Atlantic Co. A. L. Grover, secy.; adv. E. N.-R. Oct 7.

N. J., Rutherford — Oct. 13, by Boro Council, asphaltic concrete paving, etc. Ridge Rd. between Park and Rutherford Aves. H. E. Allen, boro engr.; adv. E. N.-R. Oct. 7.

N. J., Woodbury—Oct 20, by Freeholders Gloucester Co., graveling 40,500 sq.yd. Porchtown-Frankinville Rd. W. C. Cattell, Woodbury, engr.

Md., Baltimore—Oct. 13, by Bd. Awards, grading, curbing and concrete paving 30,350 sq.yd. streets listed in Contr. 372; and sheet asphalt paving 14,220 sq.yd. Contr. 371. S. Purcell, City Hall, highways engr.

La., Baton Rouge—Oct. 19, East Baton Rouge Parish Police Jury, F. A. Woods, secy., Warrenite, Finley method, sheet asphalt, concrete or asphaltic concrete paving, etc., approximately 18,450 sq.yd. Mengle Rd. and Monete Sane Ave.; and 8,000 cu.yd. gravel f.o.b. Scotland. A. G. Mundinger, 201 Weick Bldg., engr.

Tennessee—Oct. 22, by State Dept. Highways & Pub. Wks., Nashville, grading, curbing, bridging, etc. 112 mi. roads in Cocke, Shelby, Bedford, Davidson, Campbell, Obion, Dyer, Putnam, Giles, Morgan, McNairy, Warren, Hamilton, Greene, Hardeman and Houston Counties, $3,000,000. C. N. Bass, comr.

Michigan—Oct. 11, by A. M. Hopperstead, resident engr., Crystal Falls, graveling or stamp sand surfacing 8 mi. T. L. 35-10 R. 16 ft., Baraga Co., for State Hy. Dept., Lansing. Noted Sept. 9.

Ia., Charles City — Oct. 11, at office Auditor Floyd Co., grading and graveling Secondary Road Dist. 26, Sects. A and B. 6,500 cu.yd. gravel, 11,081 units overhaul, etc. J. H. Curtis, Charles City, co. engr.

Ia., Sigourney—Oct. 12, at office Auditor Keokuk Co., grading 19,000 cu.yd. road south of Delta. R. C. Fye, Sigourney, co. engr.

Ia., Tama — Oct. 19, at office Auditor Tama Co., graveling Federal Aid Project 257.

Minn., Duluth—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Kan., Anthony—Oct. 21, by Clerk Harper Co., grading, etc. 27,188 cu.yd. Federal Aid Project 361-A. H. A. Marshall, Topeka, engr.

Kan., Wellington — Oct. 15, by Clerk Sumner Co., concrete or brick surfacing 2.989 mi. Federal Aid Project 354-A; and concrete surfacing 0.284 mi. Federal Aid Project 368-A, incl. subway.

Nebraska—Oct. 14, by Dept. Pub. Wks., State House, Lincoln. **(F.A.P. means Federal Aid Project and S.P. means State Project)**, 3 in. graveling, etc. 104,000 sq.yd. F.A.P. 49-G and 53,000 sq.yd. F.A.P. 49-D, Burt Co., 83,000 sq.yd. F.A.P. 169, Adams Co., 42,000 sq.yd. F.A.P. 288, Buffalo Co., 202,000 sq.yd. S.P. 130-B, Cheyenne Co., 105,000 sq.yd. F.A.P. 271-A, Dakota Co., 84,250 sq.yd. F.A.P. 159-A, Fillmore Co., 150,000 sq.yd. F.A.P. 296-A, Keith Co., 239,400 sq.yd. F.A.P. 221-C, Lincoln Co., 26,000 sq.yd. S.P. 14, Madison Co., 65,000 sq.yd. F.A.P. 133-B, Otoe Co., and 91,000 sq.yd. F.A.P. 49-F, Thurston Co.; concrete paving, etc. 1,200 sq.yd. F.A.P. 54-B, Furnace Co., 7,349 sq.yd. F.A.P. 103-A and 5,776 sq.yd. F.A.P. 103-B, also 19,535 sq.yd. F.A.P. 69-C, all in Scottsbluff Co.; sand, clay surfacing, etc. 35,000 cu.yd. F.A.P. 94-A, Arthur Co.; top soiling or sand clay surfacing, etc. 25,000 cu.yd. F.A.P. 202-F, Cherry Co.; constructing thirteen 80 x 18 ft. pony truss and one 50 ft. transverse joist girder spans, etc. on F.A.P. 297-A, Dawson Co.; two 15 ft., three 21 ft. and two 31 ft. creosoted timber spans, etc. on S.P. 244, Frontier Co.; two 21 ft. and one 31 ft. creosoted timber spans, etc. on F.A.P. 63-A, Hayes Co., two 21 ft. cresoted timber spans, etc. on F.A.P. 293-A, Red Willow Co., two 26 ft., one 30 ft. and one 40 ft. I-beam spans etc. on F.A.P. 122-C, Gage Co., three 26 ft. I-beam spans, etc. on F.A.P. 16-A, Kimball Co.; also

Streets and Roads (Continued)

2,360 ft. guard rail and anchors on F.A.P. 79-C, Morrill Co. and 972 ft. on F.A.P. 145-C, Phelps Co. R. L. Cochran, Lincoln, state highway engr.

Neb., Wahoo—Oct. 15, by City Clerk, grading, curbing, paving, etc., 13,600 sq.yd. Federal Aid Project 27-H. R. L. Cochran, Lincoln, state highway engr.

Mo., Joplin—Oct. 19, by City Clerk, concrete paving 6,050 sq.yd. Empire St. $12,100, 1,075 sq.yd. Islington Pl. $2,150, and 1,760 sq.yd. Chestnut St. $3,080; also macadam paving, etc., 6 blocks Pearl Ave., $8,604. S. P. Ashcraft, Jr., City Hall, engr.

Tex., Cold Springs—Oct. 19, by J. R. Spiller, engr., Cold Springs, grading and bridging 8.454 mi. Highway 45, State Aid Project 682, for San Jacinto Co. Noted Sept. 30.

Tex., Eastland—Taking new bids hard paving 7,984 yds. 20 blocks various streets. $40,000. Former bids rejected. G. E. Franklin, Eastland, engr.

Tex., Galveston — Taking bids grading, bridging and concrete paving 2.91 mi. Highway 6, Federal Aid Project 446-J, 18 ft. $142,460. Noted Aug. 26.

Oklahoma—Oct. 12, by State Hy. Dept., Oklahoma City, improving 36.08 mi. State Highway 11, 331,810 cu.yd. excav., 57,400 cu.yd. borrow, 146,000 units overhaul, 46 tons reinforcing, 63,470 sq.yd. concrete paving, etc. $295,800. J. M. Page, highway engr.

Colorado—Oct. 13, by State Hy. Dept., Denver, grading, etc. 9,400 cu.yd. Highway 123, Federal Aid Project 144, Constr. Div. 1 Larimer Co., and 0.738 mi. Highway 72, State Project 626, Gilkin Co.; also ten 19 ft. span timber trestle over Big Sandy Creek, and graded approaches on Highway 4, Federal Aid Project 79-A, Elbert Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

Calif., Antioch — J. C. McElheney, city clk., taking bids curbing, 5 in. concrete paving, etc. 130,063 sq.ft. various streets. R. Naas, city engr.

Calif., Fullerton—Oct. 19, by City Trustees, 5 in. asphaltic concrete paving, etc., 110,000 sq.ft. Jacaranda and Malvern Sts., etc. W. C. Record, city engr.

Calif., Oakland — G. A. Gross, clk. Alameda Co., taking bids grading and gravel surfacing, etc. 177,000 sq.ft. Crow Canyon Rd. To exceed $35,000. G. A. Posey, Oakland, co. surv.

Calif., Sacramento — H. W. Hall, clk. Sacramento Co. taking bids 5 in. asphaltic concrete paving Power Line Rd. $150,000. C. Deterding, Jr., Sacramento, co. engr.

Que., Lasalle—See "Waterworks."

Bids Received

N. Y., Brooklyn—J. J. Byrne, comr. Pub. Wks., Boro Hall, Sept. 29, grading and sheet asphalt paving Surf. Ave., from Cranford Co., 52 9th St., $187,324; grading, curbing and flagging East 5th St., from G. M. Mandato, 129 29th St. $2,366, and 72nd St., from Grimm Contg. Co., 170 McKinley St. $4,227; and sidewalks on 24th Ave., from M. A. Zappone, 113 32nd St., $387. Noted Sept. 23.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Sept. 30, grading, curbing and sheet asphalt paving East 153rd St., from C. D. Beckwith, Seneca Ave. and Edgewater Rd., $42,928. Noted Sept. 23.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Carteret St., from J. Kelly, Inc., 1150 Forest Ave., Port Richmond, $6,834; and granite block repaving Bay St., from Vanbro Constr. Co., 20 Elizabeth St., Port Richmond, $12,293.

N. J., Asbury Park — By City Comn., bitulithic paving, 16,370 sq.yd. Pine, 4th and Central Aves., from Standard Bitulithic Co., 50 Church St., New York City, $91,750; asphalt paving 6,860 sq.yd. Sunset Ave., from J. F. Burke, 309 Park Ave., Plainfield, $35,732. Noted Sept. 16.

Pennsylvania—State Hy. Dept., Harrisburg, Sept. 24, **(A. means Application and R. means Route)** one course rein.-con. paving, etc., 6,200 ft. R. 133, A. 4382, Delaware Co., from McNichol Paving & Constr. Co., 1923 Cherry St., Phila., $53,245, 4,512 ft. R. 132, A. 4381, Delaware Co., from Bryant & Kohl, Inc., 145 Hazle Ave., Wilkes-Barre $91,265, 1,443 ft. Plaza at Capitol Bldg., Harrisburg, Dauphin Co., from J. A. Albright, 2724 Penbrook Ave., Penbrook $25,-599, 4,287 ft. A. 4271, Montgomery Co., from B. Foster Co., Inc., 20th and Venango Sts., Phila., $31,545, 2,858 ft. R. 89, Sect. 4, Crawford Co., from W. W. Wilt, 710 13th St., Franklin, $43,223, 22,428 ft. R. 319, A. 4127-4103, Armstrong and Indiana Counties, from McClure & Bingner Co., Inc., 1014-1015 U. S. Bank Bldg., Johnstown, $159,365, 10,833 ft. R. 1, A. 3075, Northumberland Co., from W. M. Moser, 121 North Oak St., Mt. Carmel, $116,250, 5,107 ft. R. 214, A. 3151-B, Clarion Co., from J. A. Crawford, 821 Elk St., Franklin $91,587, 19, 743 ft. R. 339, A. 4160-4161, Dauphin Co., from Lincoln Constr. Co., Strafford, $123,600, 19,495 ft. R. 99, Spur-A, A. 3910, Elk Co., from E. C. Jones, Inc., 17 Wildwood Ave., Salamanaca, N. Y., $156,191, 4,500 ft. R. 278, A. 4359, Beaver Co., F. H. Hallam & Son, P. O. Box 493, Beaver $32,-095, 23,319 ft. R. 167, Sects. 1 and 2, Pike Co., from Rudolph & Delano, 302 Peoples Trust Bldg., Tamaqua, $224,945, 6,000 ft. A. 4263, Delaware Co., from Juniata Co., 410 Empire Bldg., Phila., $51,302, 5,539 ft. R. 247, Sect. 9, Fayette Co., from Porriello Bros., South Brownsville $59,284, 8,265 ft. R. 257, Sect. 4322, and 5,240 ft. A. 3756, Allegheny Co., from T. Cronin Co., South 18th and Fox Sts., Pittsburgh, $69,471 and $52,136 respectively; bituminous on treated macadam paving, etc., 10,560 ft. R. 318, A. 4285, Potter Co., from D. L. Dennis, Galeton $51,590, and 33,266 ft. R. 62 Spur, Clearfield Co., from D. Schoontag, Inc., Saugerties, N. Y., $179,965. Noted Sept. 9.

Md., Baltimore—Bd. Awards, Sept. 29, grading, curbing and concrete paving 25,-300 sq.yd. streets listed in Contr. 369, from Ward & O'Connell, 3114 Presbury St., $60,-162; sheet asphalt paving 7,500 sq.yd. Contr. 368, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $29,-342; also grading and concrete paving alleys in Contr. 122, from Arundel Contg. Co., Knickerbocker Bldg., $21,200. Noted Sept. 23.

W. Va., Wheeling—Rein.-con. paving Woodward Ave., from H. L. Seabright, 70-43rd St., $27,299.

Tenn., Johnson City — Concrete paving 40,000 sq.yd. various streets, from J. L. Humbard Constr. Co., Empire Bldg., Knoxville, approximately $100,000.

Michigan—State Hy. Dept., at office Alba, Sept. 21, concrete paving 0.585 mi. T. L. 13-27 Sect. A., 20 ft. Antrim Co., from Marsman & Tabor, Grand Rapids, for State Hy. Dept., Lansing, $20,345. Noted Sept. 16.

Michigan—E. R. Benkert, resident engr., Port Huron, Sept. 24, concrete paving 1.115 mi. T. L. 38-8, from Rowe Constr. Co., Sebeawing, $37,111, and 1.089 mi. T. L. 46-33, from Whitely & Schwaderen, Sandusky, $33,777, both Tuscola Co., for State Hy. Dept., Lansing. Noted Sept. 16.

Michigan—E. R. Benkert, resident engr., Port Huron, Sept. 11, concrete paving 45,-967 sq.yd. T. L. 81-8. Tuscola Co., from J. A. Campbell, Bay City, for State Hy. Dept., Lansing. $119,845. Noted Sept. 9.

Michigan—H. C. Fleming, resident engr., Grand Rapids, Sept. 23, paving 3.057 mi. T. L. 99-2, 12 ft., Muskegon Co., from W. M. Dougherty, North Muskegon, for State Hy. Dept., Lansing, gravel $42,400, and macadam $43,504. Noted Sept. 9.

Michigan—H. C. Fleming, resident engr. Grand Rapids, Sept. 22, concrete paving 3.221 mi. T. L. 54-15 A, 20 ft. Muskegon Co., from J. R. Edelman, 40 West Isabella St., Muskegon, for State Hy. Dept., Lansing. $92,957. Noted Sept. 16.

Michigan—A. M. Hopperstead, resident engr., Crystal Falls, concrete paving 4.585 mi. T. L. 15-23, 20 ft., Houghton Co., from W. S. Peters, Wakefield, for State Hy. Dept., Lansing. $147,905. Noted Sept. 9.

Michigan—W. W. Lavers, resident engr., Plymouth, concrete paving 5.172 mi. F. A. 212, Sect. B; 20 ft., Macomb Co., from T. E. Currie Co., 909 Transportation Bldg., Detroit, for State Hy. Dept., Lansing. $175,165. Noted Sept. 16.

Michigan—H. G. Oakes, resident engr., Cadillac, Sept. 20, concrete paving 1.288 mi. T. L. 11-88, Manistee Co., from Marsman & Tabor, Grand Rapids, for State Hy. Dept., Lansing, $36,451. Noted Sept. 16.

Michigan—A. R. Schaefer, resident engr., Newberry, concrete paving 2.230 mi. T. L. 25-6, 20 ft., and 2.86 mi. F. A. 190, Sect. A, both 20 ft., Luce Co., from Hill & Belknap, East Tawas, for State Hy. Dept., Lansing, $70,376 and $83,135 respectively. Noted Sept. 9 and 16.

Ind., Indianapolis—Comrs. Marion Co., paving 0.8077 mi. East 42nd St., from Cunningham Constr. Co., concrete $26,870, engrs. est. $31,588; from Mead Constr. Co., 730 North Kealing Ave., bituminous concrete $32,075, engrs. est. $43,309.

Wis., Wauwatosa—Bd. Pub. Wks., A. V. Brigham, secy., Sept. 10, grading and concrete paving, etc., 2,885 sq.yd. 3rd St. and 4,114 sq.yd. 4th Ave., from Jacobs & Winding Concrete Constr. Co., 1 State St., $10,016 and $10,068 respectively; also 4,113 sq.yd. Lefeber Ave., from Parkinson Constr. Co., 322 27th St., Milwaukee, $9,051.

Minn., St. Paul — Sheet asphalt paving, etc. 23,040 sq.yd. Western Ave., from Feyen Constr. Co., 277 Burgess St., oil asphalt $104,000; and lake asphalt $108,300.

Neb., Omaha—J. H. Hoctor, city clk., Aug. 31, removing 3,300 yd. old and paving 3,500 yd. 52nd St., 18 ft., from J. J. Parks, 4 Bankers Saving Bldg., brick at $3.21 per ft., sheet asphalt $2.52 and asphaltic concrete $2.32; from Metz Constr. Co., Springfield, concrete at $2.06 per ft. Noted Aug. 26.

Tex., Barstow—H. Moseley, chn. State Hy. Comn., Austin, grading, etc., 5.8 mi. Highway 1, Ward Co., 18 ft., from Armstrong & Armstrong, 502 Houston Bldg., San Antonio, $52,920.

Tex., El Paso—El Paso Co. Sept. 21, surfacing with (a) warrenite bitulithic (b) modified topeka (c) concrete (1) 7.348 mi. Highway 1, Federal Aid Project 439-B (2) 1.987 mi. same road Federal Aid Project 439-D, from El Paso Bitulithic Co., El Paso, (a1) $143,401 (b1) $139,910 (a2) $55,122 and (b2) $53,769; from W. A. Rowls, El Paso, (c1) $177,528. Noted Sept. 16.

Tex., Houston—Permanent paving Milam St. and Southmore Ave., from Brown & Post, 1906 Post Dispatch Bldg., $74,017 and $55,044 respectively; Elmer St., from Gulf Bitulithic Co., 8011 Bankers Mortgage Bldg., $40,248.

Tex., Jacksboro—G. R. Johnson, engr. Jack Co., Jacksboro, Sept. 14, asphalt on macadam paving 12.803 mi. Highway 25, State Aid Project 568-A, Unit 2, from Cocke & Turner, Marshall, $132,509. Noted Sept. 2.

Tex., San Marcos—H. Moseley, chn. State Hy. Comn., Austin, Sept. 21, inverted penetration bituminous on gravel surfacing 218,240 sq.yd. Highway 2, Hays Co., from W. E. Dozier, Austin Natl. Bank, Austin, $62,200. Engrs. est. $75,000.

Wash., Seattle—Bd. Pub. Wks., Sept. 10, from Odman Contg. Co., 2534 33rd St. S., improving Manning St., 21,975 ft. concrete curbing at $0.20 per ft., 21,974 ft. grading $0.04, and 36,900 sq.yd. 6 in. concrete paving, etc. $1.40, total $78,739.

Wash., Seattle—Bd. Pub. Wks., Sept. 17, concrete sidewalks, etc. on 35th Ave. W. et al, from Goetz & Brennan, Seaboard Bldg., $69,340.

California—State Hy. Comn., Sacramento, Sept. 29, grading 1.6 mi. road between Colma and Cypress Lawn Cemetery, San Mateo Co., from Kaiser Paving Co., Amer. Bank Bldg., $99,299. Noted Sept. 16.

Calif., Eureka — From Mercer-Fraser Co., Eureka, improving portion Myrtle Ave. 179,670 sq.ft. grading at $0.49 per sq.ft., 164,740 sq.ft. 1½ in. warrenite-bitulithic on 3½ in. asphalt paving $0.22, total $54,575.

Calif., Glendale—City, Sept. 16, curbing, sidewalks and 4 in. asphaltic concrete paving, etc. 61,668 sq.ft. El Miradero and Winchester Aves., etc., from C. U. Heuser, 816 Allen Ave., $41,255. Noted Sept. 16.

Calif., Long Beach—Grading, curbing, guttering and 10 in. concrete paving, etc. Perry Ave. between Wilmington Blvd. and Willow St., from Dudley & Hicks, 2364 Atlantic Ave., $159,700.

Calif., Los Angeles — Los Angeles Co., from Curtis Paving Co., 2440 East 26th St., improving Vermont Ave., Co. Impvt. 255, 431,311 sq.ft. 9 x 7 x 9 in. concrete paving at $0.20 per sq.ft., 56,898 sq.ft. 8 in. concrete paving $0.22, etc., total $120,703; from Southwest Paving Co, Washington Bldg., Antelope Ave., Co. Impvt. 567, 2,141 cu.yd. excav. $0.50, 58,177 sq.ft. 6 in. guttering $0.21, 100,798 sq.ft. 2 in. Durite asphalt paving $0.08, total approximately $42,565.

Calif., San Carlos—From Peninsula Paving Co., 58 2nd St., San Francisco, improving Cypress Ave., etc., 13,000 cu.yd. grading at $0.50 per cu.yd. and 180,000 sq.ft. 3 in. asphaltic concrete on 6 in. waterbound rock macadam paving $0.215 per sq.ft., approximately $50,000.

Calif., Santa Ana—Grading, sidewalks, and 5 in. concrete paving, etc. 120,512 sq.ft. Louise St., also curbing, sidewalks and 5 in. concrete paving 76.605 sq.ft. Victoria Dr., from T. W. Oglesby, 423 Edgewood Rd., $34,965 and $27,560 respectively.

Calif., South Pasadena (Ind. br. Pasadena)—Grading and asphaltic concrete paving, etc. Meridian Ave., etc., from Hall-Johnson Co., 905 Westminster St., Alhambra, $77,065. Noted July 22.

Cuba—Dept. Pub. Wks., Santa Clara Convent, Havana, Sept. 27, constructing 500 mi. Central Highway, here, from Ulen & Co., 120 Bway., New York City, N. Y., from Natl. Foundation Co., 1 Madison Ave., New York City, N. Y., from James Stewart Co., 17 East 42nd St., New York City, N. Y., and from Natl. City Bank of New York, 55 Wall St., New York City, which includes Warren & Co., George A. Fuller Co., Dwight P. Robertson, E. Stewart Co., and Lock Joint Pipe Co. Ten other bidders were Cuban contractors. Noted Sept. 23.

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Streets and Roads (Continued)

Contracts Awarded

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Cleveland Trinidad Paving Co., Lawrence St., Flushing, sheet asphalt paving Roosevelt Ave. $29,925, Roosevelt Ave. $17,752 and 102nd St. $26,196, to Uvalde Asphalt Paving Co., 1 Bway., New York City, 108th St. $18,474, and Merrick Blvd. $29,900, to J. Fitzgerald, Inc., Grand Central Terminal, New York City 114th St. $51,965, to Highway Impvt. & Repair Co., 50 Church St., New York City, 90th Ave. $11,968; to S. Rosoff, 1012 Gates Ave., Brooklyn, retaining walls, etc. on Roosevelt Ave., $27,940; to Carberry Block Corp., 186 Remsen St., Brooklyn, asphalt block paving Prospect St. $18,535, and sidewalks on Rockaway Blvd. $11,748, to C. Bennett Impvt. Co., 414 Rutland Rd., Brooklyn, 43rd Ave. $38,575, to O'Brien & Kurth, Inc., 8625 137th St., Jamaica, Maurice Ave. $2,016 and Cuthbert Pl. $439, also to Gifford Constr. Co., 161-10 Jamaica Ave., Jamaica, Park Lane $37,795. Grand total $323,501. Noted Sept. 16.

N. Y., New York—Bd. Estimate & Apportionment, City Hall, curbing and sidewalks around New York County Court House, to S. Nugent, 505 5th Ave. $38,225. Noted Sept. 30.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Water St., to J. E. Donovan Co., 2205 Port Richmond Terrace, $16,982; and grading Catherine St., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $15,982. Noted Sept. 30.

N. J., Perth Amboy — Concrete paving 39,100 sq.yd. Brace, Calatpa, Neville, Charles and Park Sts., to Graham & McKeon, 264 Smith St., $137,787.

N. J., Princeton—Princeton Twp. Com., macadam paving, Jefferson Rd., to New Jersey General Constr. Co., 86 Nassau St., $24,195.

N. J., Roselle Park (mail Roselle) — Mayor and Boro Council, Boro Hall, improving 5,045 sq.yd. Grant Ave., to Elizabeth Paving Co., Elizabeth; and sidewalks on 10,000 sq.ft. Colfax Ave., to M. DiFabil Bros., Cranford. Engrs. est. to exceed $25,000. Noted Sept. 30.

Pennsylvania—State Hy. Dept., Harrisburg, **(A. means Application and R. means Route)**, rein.-con. paving, etc. 21,658 sq.yd. A. 4037-3771-4067, Bucks and Montgomery Counties, to Cox & John, Malvern, $77,074; 60,198 sq.yd. R. 174, Sect. 2, Susquehanna Co., to A. W. Hinaman, Williamsport, $328,-679; 16,645 sq.yd. R. 181, A. 4261, Westmoreland Co., to Donora Constr. Co., Donora, $100,425; 6,307 sq.yd. A. 3575, Blair Co., to Standard Constr. Co., Altoona, $35,391; 5,419 sq.yd. A. 3583, Blair Co., to Lincoln Constr. Co., Strafford, $23,485; 18,982 sq.yd. R. 66, A. 4367, Clarion Co., to W. C. Quick & Co., Brookville, $75,278; 11,797 sq.yd. R. 340, A. 3840, Franklin Co., to Bester-Long Co., Hagerstown, Md., $43,-475; 48,069 sq.yd. A. 796, Indiana Co., to R. H. Cunningham & Sons, Turtle Creek, $180,326, and 32,074 sq.yd. R. 211, McKean Co., to F. D. Ross, Bradford, $132,042; also bituminous on treated macadam paving, etc., 11,110 ft. R. 13, A. 4107, Bradford Co., to Bryant & Kohl, Inc., Wilkes Barre, $56,-199. Grand total $1,052,374. Noted Aug. 5, Sept. 16 and 30.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to United Paving Co., Real Estate Trust Bldg., paving and repaving (assessment work) Wissahickon St. $43,120, redressed granite block repaving 18th St. incl. track area $26,016, and 19th St. (track area) $8,582; to Union Paving Co., 123 South 21st St., asphalt repaving Market St. $71,660, redressed granite block repaving Allegheny St. (track area) $46,218, and 52nd St. $26,960; to Mazola & Marano, 739 South 7th St., redressed granite block repaving Chew St. (track area) $26,231, to J. Salvacci, 512 North 65th St., Franklin St. $8,684, 4th St. $28,350, 9th St. $23,132, to C. G. Centrone, Bailey Bldg., Sears St. $5,867, Passyunk St. (track area) $5,011, and 52nd St. (track area) $23,960, to Acchione Contg. Co., 755 South Warnock St., Sansom St. $4,227, and to Municipal Paving Co., 702 Catharine St., 11th St. $15,656; to Atlantic Refining Co., 260 South Broad St., furnishing asphaltic cement $6,-880 and fuel oil $2,925; also to Van Sciver Corp., 24th St. and Parkway, furnishing crushed stone $3,290. Grand total $382,420. Noted Sept. 30.

W. Va., Charleston—Brick paving portions 6 streets, to K. E. Reed Co., 8th Ave., $46,42[illegible].

W. Va., Logan—Logan Co., brick paving 3.5 mi. Routes 10 and 46, to Forbes Constr. Co., Huntington, $60,000.

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W. Va., Wheeling—Brick paving 24th, Wood, Market and Chapline Sts., to H. L. Seabright, 70 43rd St., $55,000. Noted Sept. 2.

N. C., Hamilton Lakes—Paving 35,000 sq.yd. various streets, to Ziegler Bros., Greensboro, approximately $100,000.

Miss., Grenada—Grading, curbing, guttering and rock asphalt on Novaculite paving 52,000 sq.yd. various streets, to Lawrence Constr. Co., Lamar Life Bldg., Jackson, $123,000.

La., Lake Providence—East Carroll Parish, grading and graveling 21 mi. road between Lake Providence and Epps to Meyer-Greenwald Constr. Co., Monroe, $157,762.

La., Ottumwa—Wapello Co., to Steel Bros., Ottumwa, improving primary Project 326, 17,814 cu.yd. excav. at $0.325, $0.40, $1, and $2 per cu.yd., 12,600 sta.yd. overhaul $0.02, etc.; and G. Henry Hedrick, 37,650 ft. 6 and 8 in. drain tile at $0.15 and $0.19 per ft., and 9 intakes at $15 each.

Tenn., Erwin—Concrete paving 14,000 sq.yd. various streets, to Taylor-Thomas Constr. Co., Johnson City, $30,000.

Kentucky—State Hy. Dept., Frankfort, grading, etc. 1.062 mi. Shelbyville-Frankfort Rd., State Project 17-A, 26-30 ft., Shelby Co., to S. M. Bryant, Harlan, $19,-636. Noted Aug. 5.

Kentucky—State Hy. Dept., Frankfort, surfacing 7.54 mi. Owen-Morgantown Rd., 16 ft., Ohio Co., to Corum Bros., Madisonville, $62,766. Noted Aug. 12.

Ky., Murray—Grading, curbing and sheet asphalt paving 11,900 sq.yd. State Normal Campus, to Federal Asphalt Paving Co., 219 High St., Hamilton, O., $30,000. Noted Sept. 23.

Ohio—G. F. Schlesinger, dir. Hys. & Pub. Wks., Columbus, grading and plain concrete paving 2.575 mi. Sect. "A" New London-Fitchville Rd., Huron Co., and semi-monolithic brick paving 1.584 mi. Sect. "B" same road, to A. J. Baltes, Norwalk, $37,441 and $30,632 respectively; brick paving 0.358 mi. Sect. "Fredericktown" Mt. Gilead-Mt. Vernon Rd., to R. J. Au, Mansfield, $23,922; drainage structures on 3 mi. Sect. "L" Ohio River Rd., Jefferson Co., to Dougherty & Leech, Steubenville, $5,550; guard rail along road Sect. "S" Ohio River Rd., Lawrence Co., to L. D. Kerr, Wharton, $2,650; retaining wall and making fill for Sect. "I" Cincinnati-Zanesville Rd., Warren Co., to J. W. Weeks, 300 Gibbons Arcade, Dayton, $4,628. Grand total $104,823. Noted Sept. 30.

O., Cincinnati—Brick repaving, etc. 17,-500 sq.yd. Florence Ave., to Andrews Asphalt Co., Hamilton, $113,811. Engrs. est. $137,296.

O., Cincinnati—Grading, concrete curbing, concrete repaving Kellogg Ave., to Bigler Bros., Middletown, $130,315. Engrs. est $155,896.

O., Cincinnati—Comrs. Hamilton Co., tar bound macadam repaving 12,000 sq.yd. Rich Rd., to Pickelheimer & Sloan, Drake Ave., Madisonville, $15,315, engrs. est. $25,200; and concrete repaving, etc. 14,300 sq.yd. Wesselman Rd., to Gradison Constr. Co., 1st Natl. Bank, $81,684, engrs. est. $85,956. Noted Sept. 16.

O., Euclid—Paving 214th St., and bituminous concrete paving 3 various streets, to F. B. Stein, Babbitt Rd., $30,464 and $46,414 respectively.

O., Salem—Paving Depot, Mill and West High Sts., to Kelley & Meyer, Youngstown, $26,272. Engrs. est. $27,000.

Ind., Crown Point — Lake Co., concrete paving Van Willigan Rd., to Ahlbom & Lavine, Hammond, $77,448. Engrs. est. $77,600. Noted Sept. 2.

Ind., Indianapolis—Bd. Pub. Wks., sidewalks, curbing, and two course concrete paving West Walnut St., to J. E. McNamara Constr. Co., 946 West New York St., $29,455; asphalt paving 43rd St., to Indiana Asphalt Paving Co., 2810 Columbia Ave. $18,157, Euclid Ave. and West Michigan St., also asphaltic concrete paving Croft, Thompson, Terrace and Norwood Sts., to Marion Co. Constr. Co., 1600 South West, $103,973. Grand total $151,585.

Ind., Fort Wayne—Allen Co., macadamizing Roller Rd. and Buskirk Creek Rd., to P. Macklin, Fort Wayne, $59,398. Engrs. est. $67,668. Noted Aug. 26.

Mich., Detroit—Grading, and 3½ in. sheet asphalt on 8 in. concrete paving French Rd. and 20 Aves., to Detroit Asphalt Paving Co., 909 Transportation Bldg., $393,600; Kentucky and Ellsworth Aves., to Cleveland Trinidad Paving Co., 402 Hammond Bldg., $78,940; and Irvington and Lyndon Aves., to Cooke Asphalt Paving Co., 1260 Penobscot Bldg., $73,561. Grand total $546,101.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete paving 35.56 mi. Route 23, Sect. 3, La Salle Co., to Harrison Eng. & Constr. Co., 506 Mutual Bldg., Kansas City, Mo., $752,-541, 1.06 mi. Route L, Sect. 41-V, Massac Co., to Mitchell Constr. Co., Marion [illegible], 291, 2.19 mi. Route 4, Sect. 430-X, Cook Co., to G. Welch Co., Beloit, Wis., $136,18, 3.26 mi. Route 4, Sect. U-1, Cook Co., to V. M. Pearson, Chicago Heights, $93,862, 0.36, Route 27, Sect. 12-X, Franklin Co., to Roy & Vinyard, Benton, $11,006, 6.69 mi. Route 20, Sect. 29-R, Cook Co., to States Impvt. Co., 160 North La Salle St., Chicago, $226,082, 2.75 mi. Route 3, Sect. 61, Madison Co., to Keeley Bros. Contg. Co., East St. Louis, $60,876, 1.54 mi. Route 1, Sect. 42, incl. 0.23 mi. gravel surfacing, 0.28 mi. Route 1, Sect. 42-V, and 0.82 mi. Route 13, Sect. 3, all Saline Co., to Hamilton-Huffman Constr. Co., Carbondale, $85,000; grading 0.23 mi. Route 11, Sect. 43-A, St. Clair Co., to Keeley Bros. Constr. Co., East St. Louis, $10,213, 1.49 mi. Route 13, Sect. 49, Saline Co., to W. T. Bland, Lawrenceville, $21,525 and 0.24 mi. Route 31, Sect. 16-V, Fulton Co., to H. A. Carpenter, Brazil, Ind., $4,097. Grand total $1,434,-214. Noted Sept. 16.

Ill., Chicago — Bd. Local Impvts., asphaltic concrete paving Milwaukee Ave., and concrete paving in vicinity of South Oakley Ave. and West 113th Pl., to Amer. Asphalt Paving Co., 133 West Washington St., $672,588 and $57,204 respectively; asphaltic concrete paving Avenue L and concrete paving North Ave., to Central Paving Co., 179 West Washington St., $137,360 and $81,041 respectively, asphalt paving North Ave. to White Paving Co., 1735 Fullerton Ave., $108,317, and West 97th St., to Contg. & Material Co., 844 Rush St., $41,634; concrete paving West 99th St., to R. F. Conway Co., 844 Rush St., $85,656, West 111th St., to Hedges Constr. Co., 64 West Randolph St., $155,174, South State St., to Smith & Brown Co., 111 West Washington St., $164,362, West 63rd St., to J. A. Sackley Co., 4608 Belmont Ave., $180,795, and North Oak Park Ave., to Marquette Constr. Co., 4726 North Winchester Ave., $279,180; also granite block paving Ashland Ave., to Commonwealth Impvt. Co., 133 West Washington St., $304,534. Grand total $2,337,845. Noted Sept. 16.

Ill., Lemont—Grading, curbing and concrete paving 11,200 sq.yd. various streets, to States Impvt. Co., 160 North La Salle St., Chicago, $51,089. Noted Sept. 16.

Ill., Mount Vernon—Concrete paving, etc. 20,691 sq.yd. various streets in Paving Dist. 38, to R. A. Baum, Mount Vernon, $70,326.

Wis., Milwaukee—Bd. Pub. Wks., R. E. Stoelting, comr., 11,740 ft. 6- to 16-in. c.i. mains in Townsend and other streets, to Lancaster & Fredericks, Menomonee Falls, $19,262. Noted Sept. 30.

Wis., Portage—To Universal Eng. Co., Medford, improving various streets, 4,200 cu.yd. excav. at $0.55 per yd., 12,088 ft. concrete curbing and guttering, $0.73, and 17,350 sq.yd. concrete paving $2.13, etc. Grand total $48,099. Noted Sept. 23.

Wis., Stevens Point — J. F. Maxfield, engr., City Hall, vibrolithic concrete paving, etc. 13,600 sq.yd. Ellis, George, Prentice, Elk, 1st, Smith and Franklin Sts., to A. R. Garnock Constr. Co., 719 Wisconsin St., Eau Claire, $46,000. Noted Sept. 23.

Wis., Stevens Point—For 6 in. concrete paving 15 blocks various streets, to Garnock Constr. Co., Eau Claire, $40,816.

Wis., Wauwatosa—Bd. Pub. Wks., A. Brigham, secy., rein.-con. paving, etc. 3,780 sq.yd. 4th and 3,675 sq.yd. 3rd Aves., to Jacobus & Winding Concrete Constr. Co., 1 State St. $20,084; also 3,765 sq.yd. Lefeber Ave., to Parkinson Constr. Co., 322 27th St., Milwaukee, $9,051.

Ia., Casey—For 3 in. brick paving 8,000 sq.yd. various streets, to F. O. Akin, Corning, $28,637.

Ia., Casey—Grading, curbing, guttering, etc. and 3 in. brick on concrete paving 7,800 sq.yd. various streets, to F. O. Akin, Corning, $34,647.

Ia., Cedar Rapids—Grading and 7 in. concrete paving 9,230 sq.yd. 2nd, K and 16th Aves. W., to Hahn Constr. Co., 106½ 2nd Ave., Cedar Rapids, $23,380; curbing and concrete paving 1,112 sq.yd. sheet asphalt resurfacing 1,260 sq.yd., also taking up and brick relaying 1,260 sq.yd. 1st St. W., to Ford Paving Co., Cedar Rapids, $21,-058. Noted Aug. 26.

Ia., Centerville—Grading, concrete paving, etc., 7,945 sq.yd. various streets, to Keokuk Quarries & Constr. Co., Keokuk, $20,117, grading, curbing and concrete paving 4,337 sq.yd. and Warrenite bitulithic repaving 21,480 sq.yd. various streets, to McCarthy Impvt. Co., Kahl Bldg., Davenport, $47,742. Noted May 20.

Ia., Council Bluffs—City Council, 6 in. concrete paving 18,859 sq.yd. various streets, to J. J. Wickham, Council Bluffs, $46,230. Noted Sept. 23.

Ia., Mt. Ayer—Ringgold Co., to Flint Crushed Gravel Co., 408 6th St., Des Moines, improving Federal Aid Projects 462 and 459, 6,830 cu.yd. gravel at $2.65 and $2.80

Streets and Roads (Continued)

per cu.yd., to F. Cram & Sons, 517 5th St., Des Moines, 8,500 cu.yd. gravel $2.21 and $2.35; to John Haberkamp, Chicago, Ill., 6,660 cu.yd. gravel, 1 mi. haul $0.30, 21,800 cu.yd. ½ mi. haul $0.07; to Campbell & Buck, Des Moines, 14,840 cu.yd. gravel, $0.36, 72,500 units ½ mi. haul $0.069, etc. Noted Aug. 26.

Ia., Sac City—Sac Co., to D. W. Knoll, Buffalo Center, improving Primary-Secondary Projects S-104, and S-105, 12,000 cu.yd. gravel 1 mi. haul at $0.27 per cu.yd., and 59,500 units ½ mi. haul $0.07 etc.; to A. G. Schneider, Pocahontas, Project S-103, 4,500 cu.yd. gravel 1 mi. haul $0.27, and 45,000 units ½ mi. haul $0.065. Noted Sept. 2.

Ia., Sidney—Fremont Co., to G. W. Condon, Omaha, Neb., improving Federal Aid Project 235, 363,175 cu.yd. excav. at $0.17 per cu.yd. and 13,281 yd. excav. $0.25, 1,450 ft. 15- to 24-in. culvert pipe, $0.40 to $0.60, etc.

Ia., Toledo—Tama Co., grading 205.105 cu.yd. road, to F. McCoy, Montour, $32,-817, 7 in. concrete paving 22.258 mi. road east and west across county through Montour, Tama and Toledo, to Bryant Constr. Co., Waterloo, $540,032. Noted Sept. 16.

Ia., Toledo—Tama Co., to F. McCory, Newhall, improving road system, 35,705 cu.yd. excav. at $0.16 and $0.145 per cu.yd., to L. C. Wood & Co., Alden, 80,000 cu.yd. excav. $0.245, and to W. Dutton, Broone, 89,400 cu.yd. excav. $0.254 and $0.224.

Ia., Vinton—For 6 in. concrete paving 15 blocks various streets, to Rock Island Constr. Co., Rock Island, Ill. $28,507. Noted Aug. 12.

Ia., Wapello—Louisa Co., to Linwood Cement Co., Davenport, improving Federal Aid Projects 53 and 299, 300 cu.yd. crushed stone f.o.b. Columbus Junction at $1.824 per cu.yd., and 4.596 cu.yd. f.o.b. Fredonia $177; to McCoy & Nelson, Paris, Mo., 21,-339 cu.yd. gravel $0.38, and 311,389 units $0.80, etc.; to W. P. Bumgardner, Wapello, 7,507 cu.yd. stone 1st mi. haul $0.18, and 23,000 units ½ mi. haul $0.09, etc.

Minn., St. Paul—A. E. Eggert, city purch. agt., sheet (oil) asphalt paving East 6th St. between Arcade and Earl Sts., to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., $40,489; and Otto Ave. between Cleveland Ave. and Mississippi River Blvd., to Thornton Bros., 318 Endicott Bldg., $101,787. Noted Aug. 26.

Kan., Alameda—Norton Co., improving 0.631 mi. Federal Aid Project 343-A, to Geiger & Rutherford, Leavenworth, $64,508.

N. D., Grand Forks—Comrs. Grand Forks Co., grading, etc., 75,107 cu.yd. roads, to Stanley Bros., St. Cloud, Minn., $35,819.

N. D., Rugby—Comrs. Pierce Co., grading 22 mi. Wolford-Barton Rd., to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $54,456.

N. D., Stanton—Mercer Co., grading 16 mi. and 6 in. concrete paving 2.5 mi. roads, to Haas Contg. Co., Minot, $86,462.

Mont., Anaconda—L. Hansen, city clk., resurfacing 17,000 sq.yd. Special Impvt. Dist. 108, to F. N. Bingham, Anaconda, $32,500. Engrs. est. $27,000.

Mo., Albany—For 6 in. rein.-con. paving, etc., 29,000 yd. various streets, to M. W. Watson, 1923 South 24th St., St. Joseph, $73,540. Noted Sept. 9.

Mo., Clayton—St. Louis Co., grading and macadam paving Evergreen St. between Ella St. and St. Charles Rock Rd., to H. B. Dawson, 300 Chippewa St., St. Louis, $21,-493; and concrete sidewalks on Carson Rd., to A. F. Sanders, 3674 Burton Ave., St. Johns Station, $4,315.

Mo., Kansas City—Asphaltic concrete repaving Main St., to W. A. Krammer, 3454 Penn Ave., $48,335.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, grading and concrete paving alleys in 7 City Blocks, to Eyermann Constr. Co., 1216 South Grand Blvd., $26,000; in 4 City Blocks, to Skrainka Constr. Co., Security Bldg., $12,633; 1 alley, to F. A. Stiers, 4500 Enright Ave., $2,331; 1 alley, to Blackburn-Crean Constr. Co., Chouteau Trust Bldg., $1,568; and 2 alleys, to Perkinson Bros. Constr. Co., 3237 Carter Ave., $8,681. Grand total $51,203. Noted Sept. 2.

Mo., Springfield—For 6 in. concrete paving, etc., 11,669 yd. various streets, to Stigall Constr. Co., Benton and Talmadge Sts., $26,100; and 7,756 yd. various streets, to H. Proserpi, 1220 North Campbell St., $27,010.

Ark., Conway—Grading, curbing, guttering, and 5 in. concrete paving 51,400 sq.yd. Impvt. Dist. 12, to J. P. McNulty, Pine Bluff, $114,387. This corrects report in Sept. 9 issue.

Ark., Hot Springs—Improving 1.5 mi. highway in Hot Springs Natl. Park, 800 cu.yd. excav., 4,000 units overhaul, 20,000 sq.yd. concrete and 10,000 sq.yd. macadam paving, to T. A. Rosemond, Hot Springs, $23,427 all concrete, and $28,927 concrete and macadam. Engrs. est. $30,000.

Ark., Little Rock — Grading, curbing, guttering and 2 in. Finley method paving streets in Paving Dists. 452 and 453, to P. E. Connelly Paving Co., Home Insurance Bldg., $24,205; 6 in. rein.-con. paving, etc. 11,700 sq.yd. in Paving Dist. 450, to G. Garms, Donaghey Bldg., $35,832.

Ark., Warren—Bd. City Comrs., W. E. Moseley, secy., grading, curbing and 2½ in. fibre brick on 5 in. concrete paving 22,000 sq.yd. Paving Dist. 4, to Cook & Ransom, Ottawa, Kan., $86,766. Noted Sept. 2.

Ark., Pine Bluff—Jefferson Co. Bridge Dist., 1½ in. Kentucky rock asphalt resurfacing roadway approaches, repairing wooden driveways and reflooring free bridge, near here, to Kochtitzky Bros., England, $43,495.

Tex., Abilene—C. D. Speck, judge Taylor Co., grading and bridging 9.015 mi. Highway 30, Federal Aid Project 90-A, to Womac Constr. Co., Sherman, $32,872. Noted Sept. 2.

Colorado — State Hy. Dept., Denver, gravel surfacing 5.88 mi. Highway 6, Federal Aid Project 299-A, Delta Co., to Strange & Maguire, Box 622, Pueblo $51,-583, and 2.237 mi. Highway 4, Federal Aid Project 297-B, Mesa Co., to Winterburn & Lunisden, Grand Junction $30,581; grading 6.417 mi. Highway 4, Federal Aid Project 292-A, Eagle Co., to H. C. Lallier Constr. Co., Continental Trust Bldg., Denver, $92,572; paving, graveling and bridging 0.778 mi. Highway 6, Federal Aid Project 271-B, Tremont Co., also 60 ft. steel bridge on concrete abutments on State Project 614-A, same road, to H. M. Fox, Florence, $58,803 and $5,172 respectively; 34 ft. concrete bridge on Highway 4, State Project 584, and 20 ft. slab bridge on State Project 584-B, both El Paso Co., to J. R. Donaghy, 2005 Wood Ave., Colorado Springs, $4,079 and $3,451 respectively. Grand total $246,241. Noted Sept. 9.

Nev., Fallon—Churchill Co., grading and graveling road from Sand Springs to point 1.5 mi. west of Frenchmans, to Irey & Holden, Lodi, Calif., $37,776.

Wash., Seattle—Bd. Pub. Wks., grading, etc. 21,974 ft. Manning St. et al., to Odman Contg. Co., 2534 33rd St. S., $78,739. Noted Sept. 30.

California—State Hy. Dept., Sacramento, concrete paving 0.5 mi. road between Carpinteria and Summerland, Santa Barbara Co., to S. Hunter, Santa Barbara, $252,156, engrs. est. $304,094; widening and asphalt paving 2.05 mi. road through Ross and Larkspur, Marin Co., to Pacific States Constr. Co., Call Bldg., San Francisco, $75,576, engrs. est. $80,262. Noted Sept. 23.

Calif., Berkeley—Grading, 2 in. warrenite bitulithic on 6 in. concrete paving, etc. 58,000 sq.ft. Solano Ave., to Oakland Paving Co., Bank of Savings Bldg., Oakland, $26,-750. Noted Sept. 2.

Calif., Dunsmuir — Grading, curbing, walks, and 1½ in. on 3½ in. asphaltic concrete paving 113,600 sq.ft. Shasta, Sacramento, Ash, and Willows Sts., etc., to Pacific States Constr. Co., Call Bldg., San Francisco, $63,325. Noted Sept. 23.

Calif., Eureka—Grading and 1½ in. warrenite bituminous on 3½ in. asphalt paving 164,740 sq.ft. Myrtle Ave., to Mercer-Fraser Co., $54,574.

Calif., Fresno—Grading, curbing, guttering, sidewalks and 2 in. on 4 in. asphalt paving 39,716 sq.ft. Railroad Ave., etc., to Calif. Road & Street Impvt. Co., Bank of of Italy Bldg., $26,848. Noted Sept. 23.

Calif., Los Angeles—Improving West Lake Ave. and Valley St. Co. Impvt. Dist., to Gibbons & Reed, 2022 Glendale Blvd., $37,-029; 1st Ave. between South West Dr. and Florence Ave., to G. R. Curtis Paving Co., 2440 East 26th St., $138,441; 5th Ave. between Slauson Ave. and Hyde Pl. Blvd., to Griffith Co., Los Angeles Ry. Bldg., $153,-641. Grand total $329,111. J. C. Shaw, City Hall, engr.

Calif., Los Angeles — Los Angeles Co., paving 15,600 ft. Vermont Ave., to G. R. Curtis Paving Co., 2440 East 26th St., $120,762. Noted Aug. 26.

Calif., Los Angeles — Los Angeles Co., grading, asphaltic concrete paving, etc. West Lake Ave. between 1st and Miramar Sts., to Gibbons & Reed, 2022 Glendale Blvd., $37,035; also grading, curbing, sidewalks, sheet asphalt paving, etc. 89th St. between Main and Figueroa Sts., to J. Mullarkey, 8435 South Vermont Ave., $73,761.

Calif., Los Angeles — Grading, curbing, guttering sidewalks, and asphalt on concrete paving 5th Ave. between Slauson Ave. and Hyde Park Blvd., to Griffith Co., Railway Bldg., approximately $153,650. Noted Aug. 5.

Calif., Los Angeles — Los Angeles Co., grading, curbing, guttering sidewalks, etc. on Vermont Ave., Co. Impvt. 255, to Curtis Paving Co., 2440 East 26th St., approximately $120,705. Noted Sept. 9.

Calif., San Carlos — Grading, sidewalks and asphaltic oil and rock screenings on 4 in. waterbound rock macadam paving Belmont, Woodland Aves., etc., to Robin Constr. Co., 25 Taylor St., Los Angeles, $182,459. Noted Sept. 2.

Calif., San Carlos—Grading, curbing, guttering, and 5 in. waterbound macadam 201,-000 sq.ft. and 2 in. asphaltic concrete paving 381,000 sq.ft. Walnut, Elm, and Chestnut Aves., etc., to Peninsula Paving Co., 58 2nd St., San Francisco, $95,172. Noted Sept. 23.

Calif., San Francisco—Improving streets in Golden Gate Heights, to A. E. Hennessy, Sharon Bldg., $398,456.

Calif., Santa Barbara—Asphaltic concrete paving Monticetoo St. between Milpas and Sycamore Canyon Rd., to C. W. Wimmer, Bakersfield, $46,308.

Calif., South Pasadena (Ind. br. Pasadena)—Grading and asphaltic concrete paving, etc., Meridian Ave., etc., to Hall-Johnson Co., 905 Westminster Ave., Alhambra, $77,692. Noted Sept. 30.

Ont., Windsor—Council, 8 in. rein.-con. paving 25,000 sq.yd. Ouellette Ave., to Premier Constr. Co., 924 Windsor Ave., Walkerville, $56,399. Noted Aug. 12.

Buildings—Commercial

Proposed Work

Mass., Allston (sta. Boston)—GARAGE—W. A. Dykeman, archt., 15 Exchange St., Boston, preparing plans 3 story, 69,000 sq.ft. floor space, rein.-con., brick and steel, plain foundation, Commonwealth Ave., here. $200,000. Owner's name withheld.

Mass., Attleboro—THEATRE—N. Hilfer, Hospital Trust Bldg., Providence, having sketches made by T. J. H. Pierce, City Hall, Providence, theatre, Union St. $150,000.

Mass., Boston—APARTMENT—E. Henderon, 28 Revere St., having sketches made by Blackall & Elwell, 44 Bromfield St., 10 story and basement, 50 x 100 ft., brick and limestone, plain foundation, 282-284 Beacon St. $250,000.

Mass., Boston—APARTMENT—S. Kaplan, 16 Court St., plans 4 or more story, brick, Schlesinger Estate off Warren St. To exceed $150,000. Engineer and architect not selected.

Mass., Boston—STORE—Gilchrist Co., F. Vorenberg, pres., 417 Washington St., having sketches made altering 6 story and basement, brick, Washington St. $150,000. Private plans.

Mass., Cambridge (Boston P. O.)—HOME—City, Bd. Pub. Welfare, B. B. Welch, chn., having sketches made by C. R. Creco, 11 Beacon St., Boston, 3 story and basement, 140 x 400 ft., brick, Concord Ave. $250,000.

Mass., Dorchester (Boston P. O.)—APARTMENT—B. Elfman, 325 Summit Ave., Brighton, having plans prepared by Winebaum & Wexler, 73 Cornhill, Boston, 2 units 3 story and basement, 60 x 75 ft. each, 32-36 Wilder St., here. $150,000.

Mass., Dorchester (Boston P. O.)—HOSPITAL—Boston Home for Incurables, P. S. Dalton, pres., 2049 Dorchester Ave., having sketches made by Kendall, Taylor & Co., 142 Berkley St., Boston, 2 story and basement, brick, Dorchester Ave. and Codman St. $250,000.

Mass., East Cambridge (mail Boston)—REGISTRY — Comrs. Middlesex Co., A. Cutting, chn., Court House, plans registry of deed building addition. $240,000. C. R. Greco, archt., 11 Beacon St., Boston, is submitting sketches for above.

Mass., Everett (Boston P. O.)—APARTMENT—E. S. Read & C. Everett, archts., 177 State St., Boston, preparing plans 4 story and basement, 12,000 sq.ft. floor space, brick and stone, plain foundation. To exceed $150,000. Owners name withheld.

Mass., Everett (br. Boston) — COMMUNITY — Jewish Community Society, S. Wolfson, 21 Reynolds Ave., raising $150,000 funds, brick and stone community building. Engineer and architect not selected.

Mass., North Attleboro—HOTEL—North Attleboro Hotel Co., F. Mason, 558 Mt. Hope St., having plans prepared by J. D. Leland & Co., Statler Hotel Bldg., Boston, brick and steel, Washington Sq. $200,000.

Mass., Revere (Boston P. O.)—THEATRE and STORE—W. W. Drummey, archt., 80 Boylston St., Boston, preparing sketches 1 and 2 story and basement, 145 x 210 ft., brick, stone and steel, Bway. Owners name withheld. $250,000.

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Buildings—Commercial (Continued)

Mass., Roxbury (Boston P. O.)—THEATRE, STORE and OFFICE—A. I. Rudnick, 333 Washington St., Boston, having plans prepared by G. N. Jacobs, 37 Boswort St., Boston, 2 story and basement, brick, steel and stone, plain foundation, Humboldt Ave. and Waumbeck St., here. $200,000.

Mass., Winchester — HOSPITAL — Winchester Hospital, B. L. Norton, supt., 41 Highland Ave., having plans prepared by Kendall, Taylor & Co., 142 Berkley St., Boston, 3 story and basement, brick and stone addition, Highland Ave. $150,000.

Mass., Worcester—COMMUNITY—Y. M. H. A., J. A. Goldberg, 925 Slater Bldg., plans brick and steel community building, $150,000 or more. Engineer and architect not selected.

Conn., Hartford — BUSINESS—Arcade Realty Co., c/o E. T. Wiley, archt., 75 Pratt St., had plans prepared 4 story, brick and steel, State St. $150,000.

Conn., New Britain—APARTMENT—L. J. Thompson, archt., 586 Corbing Ave., soon lets contract 4 story brick and steel, Court St., for A. E. De Witt, 79 Mason Dr. $150,000.

N. Y., Albany — MASONIC TEMPLE — Masonic Hall Assn., J. B. Badgley, chn., 231 3rd St., soon takes bids temple and convention hall, Eagle St. between State St. and Maiden Lane. $3,000,000.

N. Y., Brooklyn — PHYSICIANS OFFICE—Eighty Hanson Pl. Constr. Corp., c/o McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., New York City, having plans prepared 8 story, brick and stone, plain foundation, Hanson Pl. and South Portland Ave., here. $450,000.

N. Y., Hartsdale—MAUSOLEUM—Ferncliff Cemetery Assn., 366 Madison Ave., New York City, O. Mandel, pres., having plans prepared by A. W. Brunner, 101 Park Ave., New York City, concrete, granite and marble, here. $3,000,000.

N. Y., New York—APARTMENT—Retorum Co., c/o L. Pisciotta, archt., 563 East Tremont Ave., having plans prepared 5 story, 81 x 110 ft., brick, steel and stone, plain foundation, Tinton Ave. near 166th St. $185,000.

N. Y., New York—APARTMENT—David Zimmerman, 1431 Bway., plans 15 story, brick, steel and stone, plain foundation, Park Ave. and 96th St. $1,250,000.

N. Y., New York—CLUBHOUSE—Amer. Women's Realty Assn., Inc., L. M. Garrison, pres., 385 Madison Ave., having plans prepared by B. W. Morris, archt. and engr., 101 Park Ave., 23 story, 150 x 200 ft., brick, steel and stone, plain foundation, 353-361 West 57th St. $3,000,000. Noted June 5.

N. Y., New York — HOTEL — Allerton Hotel Co., 285 Madison Ave., plans 18 story, 112 x 120 ft., brick, steel and stone, plain foundation, Lexington Ave. and 63rd St. $2,500,000.

N. Y., St. George—BANK and OFFICE—Amer. Trust Co. and New York Title & Mortgage Co., 135 Bway., New York City, having plans prepared by H. S. Luckman, 135 Bway, New York City, 12 story, brick, steel and stone, plain foundation, incl. 4 electric elevators, Bay St., here. $750,000.

N. J., Hackensack—Y. M. C. A., 345 Union St., T. H. Eckerson, chn. building com., soon takes bids 3 story, brick, steel and stone, plain foundation, incl. steam heating, 360 Main St. $400,000. L. Jallade, 129 Lexington Ave., New York City, archt.

Pa., Ardmore—STORE and GARAGE—Dreher & Churchman, archts., Otis Bldg., Phila., soon lets contract 2 story and basement, 20 x 60 ft., 25 x 60 ft. and 30 x 90 ft. stores, also 1 story 50 x 100 ft., garage, all rein.-con., brick and steel, plain foundations, Montgomery Pike, here for J. H. Kays.

Pa., Carnegie — BANK — Carnegie Natl. Bank having plans prepared by Bartholomew & Smith, Keenan Bldg., Pittsburgh, 1 story and basement, 50 x 165 ft., brick, stone and steel bank. $175,000.

Pa., Mt. Royal (Glenshaw P. O.)—MAUSOLEUM — Mausoleum Constr. Co., 1411 1st Natl. Bank Bldg., Pittsburgh, soon lets contract 1 story, 66 x 140 ft., marble, granite and bronze, Mt. Royal Cemetery, near Allison Park. $250,000. S. Lovell, 224 East Ontario St., Chicago, Ill., archt.

Pa., Phila.—APARTMENT—M. A. Bernhard, archt., 127 South 18th St., preparing plans 4 story and basement, 93 x 169 ft., rein.-con., brick and steel, plain foundation, 13th St. and 68th Ave. Owner's name withheld.

Pa., Phila.—SALES and SERVICE—Thalheimer & Waltz, archts., 10 South 18th St., soon lets contract 3 story and basement, 60 x 178 ft., rein.-con. and brick, plain foundation, 4718 North Broad St., for Logan Oakland Motor Co., 4718 North Broad St. Noted Aug. 19.

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Miss., Biloxi—HOSPITAL—City, c/o B. Z. Welch, supt. City Hospital, having preliminary plans prepared by C. F. Matthes, West Howard Ave., 4 story, 100 bed, rein.-con. and brick hospital. $200,000.

Tenn., Chattanooga—HOSPITAL—Voted $425,000 bonds, childrens hospital. Noted July 29.

Tenn., Cookeville — HOTEL — H. J. Shanks having preliminary plans prepared 3 story and basement, 80 x 130 ft., rein.-con. and brick, plain foundation, Broad St. $175,000. Engineer and architect not announced.

Tenn., Memphis—AUTO SALES—J. Goodman, 3 South Main St., having plans prepared by E. L. Harrison, U and P Bank Bldg., 2 story, 105 x 105 x 420 ft., brick and steel, Union Ave., Eastmoreland St. and Pasadena Pl. $175,000. Studebaker Corp. of Amer., 850 South Gellon St., South Bend, Ind., lessee.

O., Alliance—THEATRE—Smith Amusement Co. having plans prepared by R. S. Harsh, Alliance, theatre, 1,500 seating capacity. $250,000.

O., Lakewood (br. Cleveland)—STORE and APARTMENT—M. Burker, 810 Leader Bldg., Cleveland, having plans prepared by M. Weis, 617 Union Bldg., Cleveland, 3 story and basement, 110 x 120 ft., brick, Madison and Baxterly Aves. $150,000.

O., Orient—HOSPITAL—Dept. Welfare, Oak and 9th Sts., Columbus, having revised plans prepared by H. B. Briggs, Ohio-Hartmann Bldg., Columbus, 1 story and basement, 200 ft. long, 7 wings, brick, concrete and terra cotta, Prison Farm. $150,000.

Ind., South Bend—STATION—New York Central R.R., 466 Lexington Ave., New York City, R. O. Rote, ch. engr. (lines west of Buffalo), West 3rd St. and St. Clair Ave., Cleveland, O., having plans prepared by Fellheimer & Wagner, 155 East 42nd St., Cleveland, O., rein.-con., brick and steel railroad station, here.

Mich., Jackson—BANK and OFFICE—Weary & Alford, archts., 1923 Calumet Ave., Chicago, Ill., take bids about Nov. 1, 13 story, rein.-con., brick and stone, here, for Jackson City Bank. $500,000.

Mich., Muskegon — APARTMENT and STORE — Garstecki & Waier, archts., 403 Hoffman Bldg., Detroit, soon takes bids 6 story and basement, 100 x 132 ft., rein.-con., brick and steel, plain foundation, incl. steam heating system. $450,000. Owner's name withheld.

Mich., Muskegon — THEATRE — W. S. Butterfield, Inc., 406 East Woodbridge St., Detroit, having plans prepared by H. Crane, 542 Griswold St., Detroit, 2 or 3 story, 113 x 154 ft., rein.-con. and brick, plain foundation, Western Ave. $500,000.

Mich., St. Johns — HOSPITAL — S. L. Marshall, secy., Clinton Memorial Hospital Assn., soon lets contract 2 story and basement, 140 x 147 ft., rein.-con., brick, steel and stone, plain foundation, incl. elevator, and power plant with steam heating system. $150,000.

Ill., Alton—CITY HALL—City, c/o City Clerk, soon takes bids 3 story, 65 x 120 ft., rein.-con. and stone, incl. vacuum steam heat, equipment, etc., 3rd St., $200,000. L. Pfeiffenberger Sons, 102 West 3rd St., archts. J. Maupin, Commercial Bldg., associated archts. Noted Sept. 2.

Ill., Chicago — APARTMENT — L. J. Mensch, 160 North La Salle St., plans 15 story and basement, 55 x 108 ft., rein.-con., brick and stone, 1530 North State Parkway. $1,000,000.

Ill., Chicago — APARTMENT — A. B. Allen, 134 North La Salle St., having plans prepared by F. D. Chase, Inc., 720 North Michigan Ave., 18 story and basement, 146 x 150 ft., brick and stone, incl. 8 elevators, electric unit refrigerators, etc., Devon Ave. and Sheridan Rd. $3,000,000.

Ill., Greenville—TAVERN—Local Syndicate, c/o Abbott Investment Co., 806 Chestnut St., St. Louis, Mo., soon takes bids 2½ story and basement, 120 x 120 ft., concrete, stucco and brick, incl. vapor heating system, 1st and Beaumont Sts. $150,000. J. L. Dowling, 1198 Arcade Bldg., St. Louis, Mo., engrs.

Ill., Chicago — THEATRE, STORE and APARTMENT — Syndicate, c/o Z. E. Smith, archt., 343 East Garfield Ave., having plans prepared and takes bids about Nov. 27, 3 story and basement, 125 x 150 ft., brick and terra cotta, West 69th and Ada Sts. $750,000.

Ill., Rockford — BANK and OFFICE — Peoples Bank & Trust Co., 230 South Main St., F. F. Wormwood, pres., having preliminary plans prepared 10 or 12 story and basement, rein.-con., brick, steel and stone, State and Main Sts. $2,000,000.

Ill., Wilmette — CLUB — Breakers Beach Club, 105 West Monroe St., having sketches made by J. Eberson, 212 East Superior St., Chicago, 8 story and basement, 125 x 226 ft., brick and stucco, Sheridan Rd.

Wis., Fort Atkinson—CITY HALL—City, c/o E. Hedberg, clk., plans fireproof city hall and community building. $160,000. Engineer and architect not selected.

Wis., Milwaukee — APARTMENT—John Hunholz Co., 445 Marshall St., having plans prepared by C. Zagel & Bro., 144 Oneida St., 7 story and basement, 58 x 104 ft., brick and concrete, plain foundation, Marshall St. $200,000.

Wis., Milwaukee — HOTEL — Schroeder Hotel Co., 86 Michigan St., having plans prepared by Holabird & Roche, 104 South Michigan Blvd., Chicago, Ill., 23 story and basement, 150 x 200 ft., brick, terra cotta, steel and concrete, plain and wood pile foundation, incl. elevators, Grand Ave. $5,000,000. Noted Mar. 11.

Wis., Milwaukee—Y. M. C. A., 143 4th St., J. B. Modesitt, genl. secy., plans Central and 2 branch Y. M. C. A. Buildings here. $1,500,000. Engineer and architect not selected.

Ia., Des Moines—APARTMENT—M. C. West, 1905 Grand Ave., having plans prepared by Hartupee & Co., 502 Commonwealth Bldg., Westbury Apartments, 8 story and basement, 95 x 103 ft., concrete and brick, plain foundation, 19th and Ingersoll Sts. $450,000.

Ia., Wapello—COURT HOUSE and JAIL—Louisa Co. election Nov. 2, $150,000 bonds, new court house and jail. C. L. McClurkin, aud.

Mo., St. Joseph—STORE and OFFICE—J. H. Cooper, 390 Riverside Dr., New York City, N. Y., having plans prepared by Boller Bros., 110 West 10th St., Kansas City, and takes bids about Oct. 10, 2 story and basement, 64 x 140 ft., rein.-con., steel, brick, and terra cotta, here. $150,000.

Mo., St. Louis—GARAGE—F. H. Fitch, 3800 Baltimore St., Kansas City, having plans prepared by W. R. Bovard, 900 Orear-Leslie Bldg., Kansas City, 3 or more story, 100 x 104 ft., rein.-con., 11th and Morgan Sts.

Tex., Amarillo—THEATRE—J. Mandel & A. Davidson, purchased site and plans 4 story, 70 x 140 ft., rein.-con., brick and stone, plain foundation. $350,000. Private plans.

Tex., Beaumont—BANK and OFFICE—Amer. Natl. Bank, C. H. Stroeck, vice pres. 510 Pearl St., having plans prepared by Ruskin Bailey, 1606 Main St., Houston, 12 story and basement, 75 x 100 ft., rein.-con. and steel, Orlean and Bowie Sts. $650,000. Noted Sept. 2.

Tex., Beaumont—CITY HALL and AUDITORIUM—Election Oct. 16, $300,000 bonds, new city hall and auditorium. Address O. J. Bloyd, city mgr.

Tex., Corpus Christi—HOTEL—J. E. Poules & Bros., c/o Mecca Cafe, San Antonio, takes bids after Nov. 1, 5 story and basement, rein.-con. and brick, plain foundation, incl. 2 elevators. $300,000. H. T. Phelps, c/o Hicks Bldg., San Antonio, archt. Noted July 8.

Tex., Harlingen—STORE and OFFICE—R. W. Baxter soon lets contract 7 story, 45 x 90 ft., rein.-con., brick and stone, plain foundation, incl. 2 passenger and 1 freight elevators. $150,000. Elwing & Mulhausen, Harlingen, archts.

Tex., San Antonio—BUSINESS—Standard Realty Co., c/o T. B. Baker, Gunter Hotel, purchased site and plans 8 story business building, Houston and Navarre Sts. $400,000. Engineer and architect not selected.

Tex., San Antonio—CLUB—San Antonio-Casino Club, and Kelwood Co., engrs. and archts., c/o Travis Bldg., soon let contract 6 story rein.-con., brick and stone, plain foundation, incl. 2 elevators, Market and Plaza Sts. $250,000. Noted Apr. 29.

Tex., San Antonio — COTTON WAREHOUSE — San Antonio Bonded Warehouse Co., c/o Brady Bldg., purchased site and plans 3 story and probably part basement, iron, brick and concrete, Comal and Belgado Sts. $150,000. Private plans.

Tex., San Antonio — HOTEL — H. J. Shearer and associates, 107 Mary Louis Dr., making preliminary plans 5 story and part basement, rein.-con., brick and stucco, plain foundation, in Woodlawn Terrace. $200,000. Engineer and architect selected soon.

Okla., Tulsa—HOTEL and APARTMENT—Blair Bros., 206 Palace Bldg., having plans prepared by J. T. Blair, 206 Palace Bldg., 6 story and basement, 46 x 140 ft., rein.-con. and brick, plain foundation. $200,000.

Wash., Yakima—CITY—COUNTY—J. R. Marble, chn., Yakima Co., had plans prepared by J. Graham, Dexter Hrtn. Bldg., Seattle, 6 story, concrete, stone and brick, city-county building. $850,000.

Ore., Baker City—HOTEL—Syndicate plans hotel. $300,000. DeYoung & Roald, Spalding Bldg., Portland, archts.

Calif., Berkeley—STORE—J. F. Hink & Son, Kittredge St. near Shattuck Ave.,

Buildings—Commercial (Continued)

having plans prepared by W. H. Ratcliff, Jr., Chamber of Commerce Bldg., 2 story, fireproof addition. $150,000.

Calif., Hollywood — APARTMENT — Payne & Bissell, archts., 426 Western Mutual Lime Bldg., preparing plans 4 story and basement, brick apartment. $150,000 or more. Owner's name withheld.

Calif., Long Beach—BANK and STORE —C. P. Walker, Farmer & Merchants Bank Bldg., had plans prepared by Schilling & Schilling, Farmers & Merchants Bank Bldg., 2 story and basement, 50 x 150 ft., rein-con., Pine and B'way. Sts. $175,000.

Calif., Los Angeles — APARTMENT — C. E. Bentley, Title Insurance Bldg., had plans prepared by L. L. Smith, City Club Bldg., 12 story and basement, 85 x 120 ft., brick and steel, Wilshire Blvd. and Kingsley Ave. $1,000,000.

Calif., Los Angeles — APARTMENT, STORE and HOTEL—E. F. Bogardus, 610 North Roxbury St., having preliminary plans prepared by Gable & Wyant, 634 South Western Ave., 3 story, brick, stone and tile, Western Ave. and Sunset Blvd. $200,000.

Calif., Los Angeles—APARTMENT—E. W. Knox, c/o R. D. King, archt., Van Nuys Bldg., had plan prepared 5 story, rein-con., North Normandie Ave. $225,000.

Calif., Los Angeles—HOSPITAL—Pacific Hospital Assn., c/o J. Frauenfelder, archt., Story Bldg., having plans prepared 6 story and basement, 125 x 150 ft., rein.-con., Alvarado St.

Calif., Los Angeles—THEATRE—H. L. Gumbiner, 402 Hellman Bank Bldg., had plans prepared by S. C. Lee, arch., 530 Pet. Sec. Bldg., 4 story with 6 story tower, 50 x 150 ft., rein.-con., steel, and terra cotta, 8th St. and Bway. $500,000.

Calif., Merced—PASSENGER STATION —See "Buildings—Industrial."

Calif., Oakland — THEATRE — West Coast Theatres, Inc., 988 Market St., San Francisco, plans fireproof, 3,500 seating capacity, 19th St. and Telegraph Ave., here. $750,000 or more.

Calif., San Francisco—APARTMENT—C. Heyer, Jr., et al, c/o H. C. Smith, archt., Humboldt Bank Bldg., had plans prepared 14 story and basement, steel and concrete, Pacific Ave. and Buchanan St. $600,000.

Calif., San Francisco—CLUB—Pacific Edgewater Club, c/o Reid Bros., archts., 105 Montgomery St., having plans prepared 7 story, 240 x 600 ft., Class "A," incl. 55 x 120 ft. swimming tank, ice-skating rink, etc., Great Highway. $1,500,000.

Calif., San Jose—AUDITORIUM—Election Nov. 2, $750,000 bonds, auditorium.

Calif., San Pedro—CLUBHOUSE, etc.—St. Andres Golf & Country Club having sketches made by Walker & Eisen, Western Pacific Bldg., Los Angeles, club house, with golf course, swimming pools, harbor and breakwater, etc. $2,000,000.

Calif., Ventura — TEMPLE — Masonic Temple Assn. having plans prepared by A. F. Priest, Fay Bldg., Los Angeles, 3 story and basement, masonry construction. $150,000.

Ont., Woodstock—HOSPITAL—Trustees General Hospital having plans prepared rein.-con., brick and stone hospital for obstetrical cases, known as "Gissing Building." $250,000.

Bids Desired

Mass., Boston—APARTMENT—Investors Securities Trust, 50 State St., taking bids 8 story and basement, 35 x 105 ft., brick and steel, plain foundation. To exceed $150,000. Bigelow & Wadsworth, 3 Hamilton Pl., archts.

Mass., Cambridge (Boston P. O.)—STORE and SALESROOM — Harvard College, G. A. Giles, dir. property, taking new bids 5 story and basement, 80 x 90 ft., brick, Massachusetts Ave. and Douglas St. Former bids rejected. $200,000. J. Purden, 50 Congress St., Boston, archt. Mollers, Inc., Mass. Ave. and Main St., lessee. Noted Sept. 16.

Mass., Lowell—OFFICE—Lowell Electric Light Corp., taking bids 4 story and basement, brick and steel, plain foundation, Market St. $150,000. Stone & Webster, Inc., 147 Milk St., Boston, archts.

Mass., Malden (Boston P. O.)—HOME—Malden Hospital, A. W. Walker, pres., taking bids 3 story and basement, brick, plain foundation, Hospital Rd. $150,000. C. F. Springall, 84 Sprague St., archt.

Mass., Lynn—STORE and OFFICE—D. A. Donahue, 178 Essex St., Salem, taking bids 3 story and basement, brick and stone, Market and Andrew Sts., here. $150,000. Ashton, Huntress & Alter, 477 Essex St., Lawrence, archts. Noted Sept. 30.

Mass., Salem—STORE and OFFICE—D. A. Donahue, 178 Essex St., taking bids 3 story and basement, brick and stone, plain foundation, 181-183 Essex St. $150,000. Ashton, Huntress & Alter, 477 Essex St., Lawrence, archts. Noted Sept. 30.

Conn., New Britain—APARTMENT—A. F. Lewitt, c/o L. H. Thompson, Archt., 586 Corbin Ave., taking bids 4 story and basement, brick and stone, plain foundation, 51-61 Court St. $150,000.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. J., Atlantic City — CONVENTION HALL — Nov. 4, by Bd. City Comrs., City Hall, superstructure convention hall, incl. ice skating rink, elevators, etc., between Boardwalk and Pacific Ave. and between Mississippi and Georgia Aves. A. H. Nelson, Guarantee Trust Bldg., associated engr.; adv. E. N.-R. Oct. 7.

N. J., Camden—OFFICE—Oct. 9, by H. A. Allen, archt., 526 Stevens St., 3 story and basement, 20 x 146 ft., rein.-con., brick and steel, plain foundation, 506 Federal St., for B. C. Foulon, c/o architect.

N. J., Jersey City — THEATRE and OFFICE — See "Contracts Awarded."

Pa., Northampton — GARAGE and APARTMENT—See "Contracts Awarded."

Pa., Phila.—APARTMENT—See "Contracts Awarded."

Pa., Phila.—COUNTRY CLUB—Oct. 14, by Heacock & Hokenson, archts., 1211 Chestnut St., preparing plans 3 story and basement, 100 x 121 ft., rein.-con., brick and steel, plain foundation, Torresdale St., Grant and Frankfort Aves., for Torresdale & Frankfort Country Club, Tacony.

Pa., Phila.—GARAGE—Oct. 8, by G. D. Roth, archt., 1629 Chestnut St., 2 story and basement, 58 x 280 ft., rein.-con. and brick, plain foundation, 254-60 South 2nd St. Owner's name withheld.

Pa., Phila.—GARAGE—See "Contracts Awarded."

Pa., Phila. — GARAGE, SERVICE and SHOW ROOM — See "Contracts Awarded."

Pa., Phila.—STORE and OFFICE—Oct. 14, by B. R. Stevens, archt., 1827 Arch St., 4 story and basement, 20 x 93 ft., rein.-con., brick and steel, plain foundation, 920 Chestnut St., for Singer Sewing Machine Co., 924 Chestnut St.

Pa., Phila. — STORE — See "Contracts Awarded."

Pa., Phila.—WAREHOUSE—See "Contracts Awarded."

D. C., Wash.—HOSPITAL—Jan. 1, by Dist. Comrs., District Bldg., group buildings at Gallinger Hospital. $1,000,000. A. L. Harris, municipal archt.

Fla., Gainesville — —HORTICULTURAL —Nov. 15, by State Bd. Control, Aragon Hotel, Jacksonville, Horticultural Building at University of Florida, here. R. Weaver, Gainesville, archt.

O., Canton—ARMORY—Nov. 5, by F. D. Henderson, adj. genl. of Ohio, State House, Columbus, 1 and 3 story and basement, 65 x 137 ft., brick and concrete, here. $150,000. F. W. Elliott, 511 Chamber of Commerce Bldg., Columbus, archt.

Ind., Anderson—APARTMENT—Beverley Terrace Realty Co., R. Myers, c/o Madison Trust Co., 1039 Main St., taking bids 3 story, 90 x 172 ft., rein.-con., 11th St. and Central Ave. $200,000. E. R. Watkins, 441 Union Bldg., archt.

Ill., Chicago — APARTMENT — M. L. Wallen & Co., 6712 North Clark St., taking bids 17 story and basement, 80 x 150 ft., brick, steel and terra cotta, incl. 2 elevators, central refrigerating plant, etc., 405 Fullerton Parkway. $1,500,000. R. F. France & Co., 155 North Clark St., archts.

Ill., Chicago—APARTMENT—Oct. 15, by A. L. Klewer, archt., 220 South Michigan Ave., 8 story and basement, 50 x 123 ft., brick and terra cotta, plain foundation, incl. 2 elevators, electric unit refrigerators in each apartment, etc., Pratt Blvd. near Sheridan Rd., for Pratt Boulevard Hotel Corp., c/o architect. $400,000.

Wis., Kenosha — THEATRE and BUSINESS — See "Contracts Awarded."

Wis., Milwaukee—GARAGE and SERVICE—White Co., 842 East 79th St., Cleveland, O., taking bids 1 story, 170 x 200 ft., brick and steel, plain foundation, Clybourn St. H. R. Hadlow, c/o owner, archt.

Ia., Cedar Rapids—SHRINE TEMPLE—Oct. 15, by R. F. Moore, archt., 401 Granby Bldg., 4 story and basement, 160 x 200 ft., rein.-con. and stone, North 6th St. and A Ave., for El Kahir Temple Mystic Shrine. Noted Sept. 9.

Ia., Sioux City—THEATRE and OFFICE —Nov. 1, by Francis Building Co., 11 story, (theatre section 7 story and office section 4 story) 150 x 200 ft., rein.-con., brick and terra cotta, concrete pile foundation. $1,500,000. Lieberman & Hein, 190 North State St., Chicago, Ill., engrs. C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., archts. Noted Sept. 9.

Mo., Joplin—OFFICE—Oct. 17, by C. A. Smith, archt., 800 Finance Bldg., Kansas City, 4 story and basement, rein.-con. and brick, here, for Empire Dist. Electric Co. $150,000. Noted Sept. 30.

Mo., Kansas City—HOTEL—See "Contracts Awarded."

Tex., Amarillo — EXCHANGE — Southwestern Bell Telephone Co. c/o Boatmen's Bank Bldg., St. Louis, Mo., taking bids and open same about Oct. 14, 2 story and basement, rein.-con., brick and stone, here. $250,000. I. R. Timlin, c/o owner, archt.

Tex., Amarillo—THEATRE, etc.—H. O. Barber and associates taking bids 4 story and basement, 120 x 140 ft., rein.-con. and brick, theatre and recreation room, plain foundation, incl. 2 elevators. $350,000. Noted Sept. 30.

Tex., Beaumont—THEATRE—Jefferson Amusement Co., c/o J. C. Clements, Perlstein Bldg., taking bids and open same about Oct. 8, foundation and excavating 80 x 160 ft., 8 to 30 ft. deep, piling and concrete foundation, Fannin St., $75,000; also takes bids after Nov. 10 general contract 6 story and basement, 80 x 160 ft., rein.-con., brick and stone, Fannin St. Archts. total est. $500,000. E. Weil, 3607 St. Charles Ave., New Orleans, La., engrs. and archts. Noted Aug. 26.

Wash., Seattle—DEPARTMENT STORE —H. and C. Thomas, archts., Arcade Bldg., taking bids 8 story (ultimately 10 story) and basement, 170 x 235 ft., rein.-con., steel and stone, incl. escalators, 2nd and Union Sts., for Arcade Building & Realty Co., Arcade Bldg. $1,500,000. Rhodes Co. Dept. Store, 1321 2nd St., lessee.

Calif., Los Angeles — HOTEL — W. A. Brown, c/o A. R. Sedgley, archt., 1103 Kerckhoff Bldg., taking bids 8 story and basement, 80 x 150 ft., rein.-con. and stone, incl. electric elevator, gas heating, South Bonnie Brae St. $350,000. Noted Sept. 16.

Calif., Los Angeles — WAREHOUSE — Los Angeles Bd. Educ. taking bids 8 story and basement, 135 x 166 ft., rein.-con. and steel, incl. gas heating, and electric freight elevator, 1445 South San Pedro St. $250,000. Noted Sept. 2.

Contracts Awarded

Mass., Boston—STORE and OFFICE— L. K. Liggett Co., 41 East 42nd St., New York City, N. Y., 6 story and basement, 75 x 100 ft., brick, Boylston St. and Park Sq., here, to Joslin & Landry, 107 Massachusetts Ave. Archts. est $150,000 or more. Noted Sept. 16.

Mass., Boston—STORE and OFFICE—Singer Sewing Machine Co., c/o Little & Russell, archts., 20 Newbury St., 6 story and basement, brick and stone, plain foundation, 53-55 Temple Pl., to F. LeRoy Fox, Inc., 15 Exchange St., Archts. est. $150,000. Noted Sept. 9.

Mass., Cambridge (Boston P. O.)—BANK and STORE—North Cambridge Co-operative Bank, 2 story and basement, brick and

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Accurate Reports

Every effort is made at headquarters to have our construction reports accurate and timely. Our field men are carefully selected and trained. I would, therefore, appreciate information from our subscribers regarding any reports found to be misleading. Such co-operation toward improving this section will be of mutual benefit.

Yours sincerely,
A. W. Welch
Engineering News-Record,
Tenth Ave. at 36th St.,
New York.

Buildings—Commercial (Continued)

stone, 2360 Massachusetts Ave., to Arlington Constr. Co., 313 Bway., Arlington. Archts. est. $150,000. Noted Sept. 2.

Mass., New Bedford — STORAGE—D. Duff & Son, 640 Pleasant St., 3 story, rein.-con. and brick, to J. W. Bishop, 555 Pleasant St. Archts. est. $150,000. Noted Sept. 16.

Mass., Norwood—THEATRE—I. Hayden, 10 Central St., 1 story and basement, 62 x 144 ft., brick, stone, steel and granite, plain foundation, to I. F. Woodbury & Sons Co., 185 Summer St., Boston. Archts. est. $150,000. Noted July 15.

Mass., Springfield—STORE and OFFICE—W. T. Young Realty Co., Temple St., 6 story and basement, 90 x 120 ft., brick, plain foundation, Dwight and Hillman Sts., to E. F. Carlson Co., 244 Main St. Archts. est. $400,000.

Mass., West Newbury—HOME—House of Angel Guardian, Perkins St., 4 story and basement, 60 x 200 ft., brick and terra cotta, plain foundation, to Askin & Sullivan, 580 Massachusetts Ave., Cambridge. Archts. est. to exceed $150,000. Noted Sept. 23.

Conn., Hartford—THEATRE—Walsh & Schuman, 909 Albany Ave., 2 story, 90 x 200 ft., brick, steel and tile, Farmington Ave., to Wise & Upson, 7 Forest St. Archts. est. $350,000. Noted June 10.

N. Y., Brooklyn — APARTMENT — Elmarett Realty Co., c/o Shampan & Shampan, archts., 188 Montague St., will build 6 story, 100 x 127 ft., brick, steel and stone, plain foundation, incl. 2 electric elevators, 6th St. and Dorchester Rd., by day labor. Archts. est. $500,000.

N. Y., Brooklyn—HOSPITAL, etc.—B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg., New York City, general contract new wing and laboratory at Kings County Hospital, here to F. J. Cogswell, 50 Union Sq., New York City, $266,500; plumbing, to Nally Plumbing & Contg. Co., 177 West 97th St., New York City, $41,000; heating, to Heat Control Serv., Inc., 759 Park Pl., $40,773; and refrigeration, to Wiese Laboratory Furn. Co., 104 5th Ave., New York City, $49,121. Grand total $397,394. Noted Sept. 30.

N. Y., New York—APARTMENT—Shelton Holding Corp., c/o H. I. Cobb, archt., 51 East 42nd St., 16 story, brick, steel and stone, plain foundation, 150 East 50th St., to J. A. Moeller, 51 East 42nd St. Engrs. est. $600,000.

N. Y., New York—APARTMENT—W. M. B. Constr. Co., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., will build 6 story, brick, steel and stone, plain foundation, Park Terrace and 218th St., by day labor. $300,000.

N. Y., New York City—APARTMENT—One Thousand Sixteen Fifth Ave. Co., Inc., A. Sokolski, pres., c/o J. B. Peterkin, engr. and archt., 285 Madison Ave., will build 14 story, brick, steel and stone, plain foundation, 5th Ave. and 83rd St., by day labor. $900,000.

N. Y., New York City—APARTMENT—J. Paterno, 601 West 115th St., will build 23 story, 70 x 120 ft. brick, steel and stone, plain foundation, 5th Ave. between 64th and 65th Sts. $3,000,000. Work will be done by separate contracts. J. E. R. Carpenter, 598 Madison Ave., engr. and archt.

N. Y., New York—ARMORY—New York Armory Bd., Municipal Bldg., 4 story, rein.-con., brick, steel and stone addition, plain foundation, 68th St. and Lexington Ave., to Eastern Constr. Co., 110 West 40th St. Archts. est. $150,000.

N. Y., New York—LOFT and OFFICE—C. G. Edwards Syndicate, 93 North St., 17 story, 80 x 375 ft., brick, steel and stone, plain foundation, Worth St. between West Bway. and Church St., to G. Richard Davis & Co., Inc., 10 East 41st St. Archts. est. $6,000,000. Noted Aug. 3.

N. J., Atlantic City—HOTEL—Seaside Hotel, c/o F. P. Cooks Sons, 13 story, brick, steel and stone, plain foundation, Pennsylvania Ave. and Boardwalk, here, to Irwin & Leighton, 127 North 12th St., Phila., Pa. Archts. est. $2,000,000. Noted Apr. 29.

N. J., Atlantic City—HOTEL—W. M. Stanton, archt., Land Title Bldg., Phila., Pa., James Madison Hotel, 15 story and basement, 100 x 150 ft., rein.-con., brick and steel, plain foundation, Virginia Ave. and Boardwalk, here, to Taylor Meyer Co., Keystone Bldg., Pittsburgh, Pa., for Virginia Hotel Corp. Noted Sept. 23.

N. J., Jersey City — THEATRE and OFFICE — New Jersey Bergen Sq. Realty Co., 11 East 43rd St., New York City, N. Y., c/o H. S. Kerbaugh, pres., will build 16 story, brick, steel and stone, plain foundation, Hudson Blvd. and Journal Sq. $2,500,000. Work will be done by separate contracts.

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Pa., Elizabethtown — HOSPITAL—State Dept. Welfare, Harrisburg, 3 story and basement, 49 x 142 ft. children's hospital, brick, steel and granite, plain foundation, near here, to D. S. Warfel, Lancaster. Noted Sept. 16.

Pa., Northampton — GARAGE and APARTMENT — A. Michel, will build 3 story and basement, 60 x 130 ft., rein.-con. and brick, plain foundation, by day labor. E. R. Bitting, 1104 Hamilton St., Allentown, archt.

Pa., Phila. — APARTMENT — B. W. Glover, 6050 Girard Ave., will build 4 story and basement, 25 x 69 ft., and 36 x 97 ft., rein.-con., brick and steel, plain foundation, Osage and 43rd Sts., by day labor. $150,000. Stetler & Deysher, 1015 Chestnut St., archts.

Pa., Phila.—GARAGE—J. A. Brady, 136 South 4th St., will build 4 story and basement, 97 x 98 ft., rein.-con. and brick, plain foundation, 924-928 Race St., by day labor. $150,000. I. T. Catharine, Franklin Trust Bldg., archt. Noted July 15.

Pa., Phila. — GARAGE, SERVICE and SHOW ROOM — M. H. Rochelle, 5726 North Marshall St., will build 2 story and basement, 60 x 105 ft., rein.-con. and brick, plain foundation, Front and Westmoreland Sts. Work will be done by separate contracts. Watts & Coscia, Liberty Bldg., archts.

Pa., Phila. — OFFICE and LOFT — Stuckert & Co., archts., Crozer Bldg., 8 story and basement, 71 x 143 ft., rein.-con., brick and steel, plain foundation, 13th and Wood Sts., to J. S. Rogers, Drexel Bldg., for M. L. and B. W. Heid, c/o Barber Hartman Co., Commonwealth Bldg. $500,000. Noted July 22.

Pa., Phila.—STORE—Z. Rosenfeld, 2900 North 5th St., will build 3 story and basement, 40 x 90 x 220 ft., rein.-con., brick and steel, plain foundation, 5511-12 North 5th St. Work will be done by separate contracts. E. L. Rothschild, 215 South Broad St., archt. Noted Aug. 26.

Pa., Phila.—WAREHOUSE—Van Sciver Corp., 24th St. and Parkway, will build 2 story, 34 x 176 ft., rein.-con. and brick, plain foundation, 51st St. Work will be done by separate contracts. Private plans.

D. C., Wash. — BANK and OFFICE — Washington Loan & Trust Co., 9th and F Sts., general contract 9 story, brick, granite and steel, plain foundation, 9th and F Sts., to Hoggson Bros., 485 5th Ave., New York City. Archts. est. $500,000. Noted Mar. 25.

N. C., Fayetteville — THEATRE — R. L. Pittman, doctor, 4 story, brick, Hay St., to Reinecke Constr. Co., Fayetteville, approximately $200,000.

Fla., Miami — STORE — McCrory Stores Corp., 1107 Bway., New York City, 3 story brick, steel and stone addition, plain foundation, Flagler St., to P. J. Davis Constr. Co., 345 Northwest 3rd St. Archts. est. $200,000.

O., Cleveland—SALES and SERVICE—J. Rutkowski, pres. Cleveland Structural Steel Co., 6600 Park Ave., 2 story and basement, 50 x 259 ft., brick, steel and concrete, 6851 Bway., to Vulcan Constr. Co., 5601 Bway. Archts. est. $150,000. Noted Sept. 23.

O., Mansfield—OFFICE—Ohio Brass Co., 5 story and basement, 60 x 250 ft., brick and rein.-con., to Hossler Bros., Tiffin. Archts. est. $500,000.

Ind., Indianapolis — SUB-STATIONS — Indianapolis Street Railway Co., 900 Traction Terminal, general contract 5 rein.-con., brick and stone sub-stations, one at Highland and St. Clair Sts., one East Washington St. and Sherman Dr., one St. Clair and Canal Sts., one McCarthy and Illinois Sts. and other Pennsylvania and 34th Sts., to Hall Constr. Co., 405 Board of Trade Bldg., $600,000.

Mich., Detroit — WAREHOUSE, SHOP and OFFICE — Westinghouse Electric & Mfg. Co., 4584 Maybury Grand Ave., 3 story and basement, rein.-con., brick and steel, plain foundation, incl. elevator and steam heating system, Trumbull Ave., to Everett Winters, 1024 Book Bldg. Archts. est. $400,000. Noted June 3.

Mich., Highland Park (br. Detroit)—MUNICIPAL—D. C. Gowing, city clk., general contract, 2 story and basement, rein.-con., brick and steel, plain foundation, Gerald Ave., to H. M. Martens, 401 Moffat Bldg., Detroit, $158,170. Noted Sept. 2.

Ill., Chicago — APARTMENT—Sheridan Grace Building Corp., c/o B. L. Steif & Co., archts., 307 North Michigan Ave., general contract 16 story and basement, 100 x 300 ft., rein.-con. and brick, Sheridan Rd. and Grace St., to Avery Brundage Co., 110 South Dearborn St. Archts. est. $3,000,000. Noted Aug. 12.

Ill., Chicago — APARTMENT — South Shore Building Corp., 77 West Washington St., masonry contract 16 story, 100 x 143 ft., brick, 7000-7008 South Shore Dr., to H. Janisch Co., 1813 Winona St. Archts. est. $1,000,000.

Ill., Chicago — BANK — Calumet Natl. Bank, 9117 Commercial Ave., general contract 3 story and basement, 90 x 125 ft., stone and terra cotta, 91st St. and Commercial Ave., to McHugh Constr. Co., 139 North Clark St. Noted Mar. 11.

Ill., McHenry (West McHenry P. O.)—CLUB—Pistaqua Heights Country Club, J. S. Matthews, pres., 2 story and basement, 60 x 240 ft., concrete, brick and stone, Pistakee Lake, to Matthews-Tonyan Constr. Co., McHenry (West McHenry P. O.)

Wis., Green Bay — OFFICE — Standard Oil Co., 414 Sycamore St., Milwaukee, 3 story and basement, 68 x 100 ft., brick and steel, plain foundation, Jefferson St., to B. Beauregard, De Pere. Archts. est. $150,000.

Wis., Kenosha—THEATRE and BUSINESS—Universal Chain Theatrical Enterprises, 730 5th Ave., New York City, N. Y., will build 3 story and basement, 87 x 100 x 264 ft., brick, concrete and terra cotta, plain foundation, Main and Exchange Sts. $500,000. Work will be done by separate contracts. C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., archts. Noted Sept. 2.

Wis., Milwaukee—APARTMENT—Priebe Realty Co., 2417 State St., 3 story and basement, 42 x 120 ft., brick and steel, plain foundation, 14th St., to Czaplewski Bros., 613 Mitchell St. Archts. est. $150,000. Noted Sept. 16.

Wis., Portage — THEATRE — Fischer Paramount Theatres, Inc., 36 South State St., Chicago, Ill., 3 story, 67 x 125 ft., brick, concrete and terra cotta, plain foundation, here, to Foltz & Co., 510 North Dearborn St., Chicago, Ill. Archts. est. $150,000. Noted Mar. 11.

Mo., Kansas City—GARAGE—Scarritt Estates Co., 231 Scarritt Bldg., 4 story and basement, 100 x 127 ft., rein.-con and brick, 7th and Walnut Sts., to J. E. Taylor, 319 Reliance Bldg. Archts. est. $150,000. Noted Sept. 23.

Mo., Kansas City — HOTEL — Phillips Building Co., 609 Victor Bldg., will build 8 story and basement, rein.-con. and brick, Armour Blvd. and Central St., by day labor. $150,000. Private Plans.

Mo., St. Louis—APARTMENT—I. Weinberg, 816 Chestnut St., 3 story and basement, 45 x 138 ft., rein.-con., brick and stone, 5336 Delmar Blvd., to Harrison & Kopman Constr. Co., International Life Bldg. Archts. est. $150,000.

Tex., Harlingen—OFFICE—R. W. Baxter, 9 story, concrete, brick and stone, incl. 2 elevators, etc., to R. P. Blythe, Harlingen, approximately $300,000.

Colo., Denver—Y. W. C. A., general contract 6 story and basement, 100 x 125 ft., rein.-con., stone, steel and tile, Tremont St., to A. Simpson, Jr., P. O. Box 1766, Denver, $287,500; heating to Small Bros., 1444 Court Pl., $33,263.

Wash., Seattle — THEATRE — Orpheum Theatre Circuit, 2nd and Vine Sts., 6 story and basement, 108 x 210 ft., brick, terra cotta and steel addition, 5th and Stewart Sts., to Rounds & Clist Co., Walker Bldg. Archts. est. $1,500,000. Noted Dec. 3.

Calif., Los Angeles — APARTMENT — Callahan & Sons (contractors), Edwards-Wildey Bldg., will build 6 story and basement, steel and concrete, Mariposa Ave. $150,000. Owner's name withheld.

Calif., Los Angeles — APARTMENT — C. C. Hall, 4 story, 70 x 105 ft., concrete, Taft Ave., to Tierstein Constr. Co., 411 Taft Bldg.

Calif., Los Angeles — APARTMENT—Rosey Holding Co., 5 story and basement, brick, steel, and stone, North Cherokee Ave., to Bard & Co., Chamber of Commerce Bldg., approximately $375,000.

Calif., Los Angeles—STORE, OFFICE and GARAGE—Winhawk Corp., 2404 West 7th St., 12 story and 2 basements, 50 x 180 ft., rein.-con. and stone, incl. 5 elevators. Spring St. between 7th and 8th Sts., to Winter Constr. Co., 2404 West 7th St. $640,000.

Calif., Oakland — OFFICE — Medico-Dental Building Assn., c/o F. H. Reimers, Tribune Tower Bldg., 12 story and basement, Class "A," 17th and Franklin Sts., to Starr, Thebo & Anderton, Sharon Bldg., San Francisco, approximately $500,000.

Calif., Redwood City — TUBERCULAR PREVENTORIUM — City of San Francisco and San Francisco Co., general contract tubercular preventorium at Pulga tunnel, near here, San Mateo Co., to J. A. Bryant.

Buildings—Commercial (Continued)

185 Stevenson St., San Francisco, $176,660. Noted Sept. 30.

Calif., San Francisco—APARTMENTS—Marine View Apartments, Inc., 211 Crocker Bank Bldg., four 13 story and basement, Chestnut St. near Larkin St., to Dinwiddie Constr. Co., Crocker Bldg., $500,000.

Que., Montreal—BANK—Royal Bank of Canada, St. James St., stone and erection for 26 story (3 stories underground) with 350 ft. tower, to J. Quinlan Constr. Co.; steel, to Dominion Bridge Co., Montreal; foundation, incl. construction of exterior walls up to sidewalk level, and concrete and steel footings for carrying structure of bank, to G. A. Fuller Ltd., 285 Beaver Hall Hill, Montreal. Noted Jan. 28.

Buildings—Industrial

Proposed Work

Mass., Brighton (Boston P. O.)—REPAIR and SERVICE GARAGE—W. A. Dykeman, archt., 15 Exchange St., Boston, having plans prepared 1 story, 20,000 sq.ft. floor space, rein.-con. and brick, plain foundation, Commonwealth Ave. $75,000. Owner's name withheld.

Mass., Roxbury (Boston P. O.)—REPAIR and SERVICE GARAGE—M. Markovsky, 24 Kenwood St., Dorchester, having plans prepared by Winebaum & Wexler, 73 Cornhill, Boston, 1 story, 100 x 215 ft., brick and steel, plain foundation, Williams and Sterling Sts., here. $75,000.

Mass., Somerville (Boston P. O.)—GROCERY PLANT—First Natl. Stores, Inc., 384 Rutherford Ave., Charlestown, soon lets contract, 1 and 2 story, 500,000 sq.ft. floor space, rein.-con. and brick, plain foundation, Mystic and Middlesex Ave., $2,000,000. McCormick Co., 121 South Negley Ave., Pittsburgh, Pa., consult. archts. Monks & Johnson, 99 Chauncy St., Boston, engrs. Noted Feb. 4 under "Buildings—Commercial."

N. Y., Buffalo—ART WORK FACTORY—Art Work Shop, 828 East Ferry St., plans 3 story, 90 x 110 ft., brick and rein.-con. addition, East Ferry St. $50,000.

N. Y., Buffalo — FACTORY — Kittinger Furniture Co., 1389 Elmwood Ave., having plans prepared by Hydro Constr. Co., Mutual Life Bldg., 3 story, 84 x 100 ft., rein.-con., Elmwood Ave. $75,000. Noted Aug. 7, 1825.

N. Y., Buffalo — TIRE and RUBBER PLANT—Dunlop Tire & Rubber Corp., River Rd., purchased 3.5 acre tract and plans plant, docks and dredging slips bordering on Niagara River, on River Rd. To exceed $1,000,000.

N. Y., New York—PRINTING PLANT—Phillips Estate, Inc., 260 West 41st St., S. L. Snyder, pres., having plans prepared by A. J. Barzaghil, engr. and archt., 17 East 48th St., 16 story, brick, steel and stone, plain foundation, West 52nd St. $750,000.

N. Y., New York—SERVICE STATION—Paige Detroit Co. of New York, 529 West 55th St., S. R. Ball, in charge, plans 2 story, 200 x 200 ft., rein.-con., brick and steel, Fordham Rd. $200,000. Engineer and architect not selected.

N. J., Newark—POWER HOUSE—Dept. Parks & Pub. Safety, City Hall, rejected bids Sept. 27, rein.-con., brick and steel, plain foundation, in connection with City Hall extension. Will readvertise. J. S. Piggott, 402 Broad St., archt. Noted Sept. 16.

Pa., Phila. — SERVICE — Davis Buick Co., Pulaski and Chelten Sts., soon lets contract 2 story and basement, 128 x 160 ft., rein.-con. and brick, plain foundation. J. Cantley, Harrison Bldg., archt.

Pa., Shere Oaks (Elrama P. O.)—SHOP—Pennsylvania R.R. Co., A. C. Shand, ch. engr., Broad St. Sta., Phila., having plans prepared 78 x 118 ft. engine house, 60 x 100 ft. storehouse, and 46 x 48 ft. oil house, etc., all brick and steel, here. $500,000.

Ga., Atlanta—PACKING PLANT—Swift & Co., Grant Bldg., having plans prepared 2 story, 80 x 157 ft. packing plant, Petus and Fair Sts. $150,000. Private plans.

Tenn., Nashville — ICE CREAM FACTORY—Delicia Ice Cream Co., 100 Monroe St., having plans prepared by C. K. Colley, 4th and 1st Bldg., ice cream plant, brick and concrete. $75,000.

Ky., Mayfield — CONDENSERY—Golden Key Milk Products Co., Washington Bldg., Madison, Wis., plans 2 story, 120 x 150 ft., concrete, brick and steel, plain foundation, here. $50,000. Engineer and architect not selected.

O., Cleveland—FACTORY—Leece-Neville Co., 5363 Hamilton Ave., had plans prepared by W. Watson and associates, 4614 Prospect Ave., 2 story and basement, 43 x 100 ft., brick, steel and concrete, addition. $40,000.

O., Cleveland—FOUNDRY—Forest City Fdry. & Mfg. Co., P. J. Strangward, mgr., 1220 Main Ave., had plans prepared by P. Schmidt, 4500 Euclid Ave., 1 story, 60 x 150 ft., brick and steel, West 94th St. and Maywood Ave. $60,000.

O., Cleveland—GARAGE and MACHINE SHOP—Election Nov. 2, $200,000 bonds 3 story and basement, brick and rein.-con. garage, also $65,000 bonds, 1 story, brick and steel, machine shop addition, Croton Ave., for City, W. R. Hopkins, city mgr. H. Krekelius, City Hall, archt.

O., Cleveland — MILK PLANT — United Milk Products Co., C. L. Bartsche, chn., 1252 Bway., plans 5 or 7 story, brick and rein.-con. plant. Engineer and architects names withheld. $1,000,000.

O., Cleveland — PACKING HOUSE — Kalman Kreinberg & W. A. Krasny, 617 Union Bldg., soon let contract, 2 story and basement, 100 x 126 ft., brick and rein.-con., incl. 1 elevator, and steam power plant, West 65th St. $75,000. M. Weis, 617 Union Bldg., archt. Noted Sept. 30.

O., Orient—INDUSTRIAL—Dept. Welfare, Oak and 9th Sts., Columbus, having plans prepared by H. B. Briggs, Ohio-Hartman Bldg., Columbus, 2 story and basement, 125 x 125 ft., brick, steel and concrete, Prison Farm, here. $150,000.

Ind., Anderson—FACTORY—Remy Electric Co., 25th St. and Columbus Ave., had plans prepared 1 story, 120 x 243 ft., rein.-con. and steel addition to Building 6, plain foundation, south end George St. $40,000. C. M. Gross, c/o owner, engr.

Ind., Terra Haute—SERVICE, REPAIR and GARAGE—A. Fromme Lumber Co., 103 East Paris Ave., had plans prepared 1 story, 40 x 100 ft., brick and steel service, repair and garage. $40,000. Private plans.

Mich., Muskegon — FACTORY — Metropolitan Eng. & Constr. Co., engrs., 1107 Charlevoix Bldg., Detroit, soon takes bids 2 story, 60 x 120 ft., brick and steel factory. $150,000. Owner's name withheld.

Mich., Muskegon — IRRIGATION MACHINERY FACTORY — Vander West & Child, archts., Montgomery Blk., take bids about Oct. 15, 2 story office, and 1 story factory, 66 x 200 ft., brick, plain foundation, Bank St., for March Irrigation Co., Western Ave. $40,000.

Wis., Fond du Lac—PLANT—Wisconsin Power & Light Co., 16 North Carroll St., Madison, having plans prepared by Balch & Lippert, Gay Bldg., Madison, 1 story and basement, 50 x 100 ft., rein.-con., brick and steel addition, plain foundation, here. $40,000.

Wis., Wales — POWER PLANT — State Bd. Control, A. W. Bagley, secy., Madison, plans 1 story, 40 x 60 ft., rein.-con., brick and steel, plain foundation, at state sanitorium, here. $50,000. Engineer and architect not selected.

Kan., Eureka—FACTORY—Eureka Glass Co. plans new factory. $300,000.

Kan., Kansas City—ICE PLANT—Newland Ice & Cold Storage Co., 17th and State Sts., plans ice plant, at 17th and State Sts. $75,000. Private plans.

S. D., Watertown—POWER PLANT—City having plans prepared power plant addition, incl. 1,500 kw. turbine. A. L. Mullergren, 765 Bd. Trade Bldg., Kansas City, Mo., engr.

Ark., Morrilton—TEXTILE MILL—Morris & Co., c/o E. T. Curry, Groveville, N. J., having plans prepared by Roberts & Co., engrs. and archts., Bona Allen Bldg., Atlanta, Ga., rein.-con. and brick textile mill, here. $150,000.

Texas—LIGHT and POWER PLANTS—Central Power & Light Co., c/o Frost Bldg., San Antonio, purchased municipal light and power plant, at Wellington and plans improving same, $70,000; also plant at Comfort and plans enlarging from 25 to 40 ton capacity, $40,000 or more; also plant at Fredericksburg and plans enlarging and improving same, $35,000. Private plans.

Tex., Edinburg—COTTON OIL MILL—Arkansas Compress Co., Corpus Christi, having plans prepared 1 and 2 story, fireproof, plain foundation, $200,000. Private plans.

Tex., Harlingen—COTTON COMPRESS—Aransas Compress Co., c/o R. M. Loving, supt., having plans prepared cotton compress, brick, iron, steel and concrete, 250 bales per day capacity. $600,000. Private plans. Noted Sept. 2.

Okla., Ponca City — MILL, WAREHOUSE, etc.—Ponca City Milling Co. soon takes bids 1 story, 36 x 300 ft. warehouse, 5 story, 24 x 36 ft. feed mill and 6 story, 63 x 73 ft. flour mill, all rein.-con. and brick. To exceed $150,000. Horner & Wyatt, 468 Board of Trade Bldg., Kansas City, Mo., archts. and engrs. Noted Jan. 14.

Calif., Gilroy—PIPE PLANT—G. W. Eastman & H. C. Sholten (Concrete Pressure Pipe & Constr. Co.), plans plant for manufacture concrete pipe, irrigation, etc. $40,000.

Calif., Los Banos—ICE PLANT—Union Ice Co., 354 Pine St., San Francisco, purchased site and plans 150 x 200 ft. ice plant, here.

Calif., Merced—FREIGHT and PASSENGER STATION—Southern Pacific R.R. Co.,

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SEWERS—WINTERSET, IOWA

Bids were opened by city, June 29, for constructing sewers in various streets, from (A) Craig Construction Co., Des Moines (awarded contract); (B) Arthur A. Dobson, Lincoln, Neb.; (C) Union Construction Co., Des Moines. The unit bids are as follows:

	A	B	C
66,074 lin.ft. furnishing and laying 8-in. standard vitrified clay sewer pipe...	$0.28	$0.68	$0.35
66,074 lin.ft. furnishing and laying 8-in. standard cement sewer pipe.....	0.33	0.67	0.28
12,079 lin.ft. furnishing and laying 10-in. standard vitrified clay sewer pipe.	0.38	0.84	0.45
12,079 lin.ft. furnishing and laying 10-in. standard cement sewer pipe.....	0.43	0.84	0.35
6,888 lin.ft. furnishing and laying 12-in. standard vitrified clay sewer pipe...	0.48	1.00	0.55
6,888 lin.ft. furnishing and laying 12-in. standard cement sewer pipe.....	0.53	1.03	0.48
3,488 lin.ft. furnishing and laying 15-in. standard vitrified clay sewer pipe...	0.68	1.33	0.75
3,488 lin.ft. furnishing and laying 15-in. standard cement sewer pipe.....	0.73	1.47	0.57
1,205 lin.ft. furnishing and laying 18-in. double strength vitrified clay sewer pipe	1.08	2.01	1.20
1,205 lin.ft. furnishing and laying 18-in. standard cement sewer pipe.....	1.13	1.90	1.00
2,665 lin.ft. excavating and refilling trenches, depth of between 0 and 4 ft...	0.30	0.13	0.50
8,137 lin.ft. excavating and refilling trenches, depth of between 4 and 6 ft...	0.30	0.15	0.50
26,106 lin.ft. excavating and refilling trenches, depth of between 6 and 8 ft..	0.40	0.20	0.55
30,143 lin.ft. excavating and refilling trenches, depth of between 8 and 10 ft.	0.40	0.25	0.55
12,371 lin.ft. excavating and refilling trenches, depth of between 10 and 12 ft.	0.70	0.30	0.60
5,357 lin.ft. excavating and refilling trenches, depth of between 12 and 14 ft..	1.30	0.37	0.75
1,965 lin.ft. excavating and refilling trenches, depth of between 14 and 16 ft..	2.30	0.45	1.00
1,640 lin.ft. excavating and refilling trenches, depth of between 16 and 20 ft..	2.40	0.55	2.00
1,350 lin.ft. excavating and refilling trenches, depth of over 20 ft.....	3.00	0.80	4.00
301 furnishing material and building brick manholes.....	70.00	50.00	75.00
301 furnishing material and building concrete manholes.....	80.00	.....	.....
1,518 furnishing and placing 6-in. on 8-in. standard vitrified clay pipe Y conn.	0.80	0.60	0.60
1,518 furnishing and placing 6-in. on 8-in. standard cement pipe Y connections	0.80	0.60	0.56
176 furnishing and placing 6-in. on 10-in. standard vitrified clay pipe Y conn.	1.00	0.90	0.80
176 furnishing and placing 6-in. on 10-in. standard cement pipe Y connections	1.00	0.90	0.70
66 furnishing and placing 6-in. on 12-in. standard vitrified clay pipe Y conn.	1.20	1.10	1.00
66 furnishing and placing 6-in. on 12-in. standard cement pipe Y connections	1.20	1.10	0.90
12 furnishing and placing 6-in. on 15-in. standard vitrified clay pipe Y conn.	2.00	1.60	1.20
12 furnishing and placing 6-in. on 15-in. cement pipe Y connections.....	2.00	1.60	1.20
28 furnishing and placing 6-in. on 18-in. standard vitrified clay pipe Y conn.	4.00	2.60	2.20
28 furnishing and placing 6 in. on 18-in. standard cement pipe Y connections	4.00	2.60	2.00
50 cu.yd. furnishing and placing class "B" concrete, the sum of.....	12.00	15.00	12.00
1,248 lin.ft. furnishing, trenching, laying and backfilling 8-in. c.i. "A" c.i. force main.....	1.60	1.80	2.00
24 lin.ft. furnishing, trenching, laying and backfilling 10-in. c.i. "B" c.i. pipe	3.00	2.25	3.00
36 lin.ft. furnishing, trenching, laying and backfilling 12-in. c.i. "B" c.i. pipe.	4.00	3.50	4.00
1,800 cu.yd. excavating rock in trenches, extra above price per lin.ft.....	3.00	5.00	5.00
1,560 lin.ft. cutting and replacing paving.....	1.50	1.25	0.75
150 furnishing and installing chimney pipes complete in place.....	5.00	3.00	1.00
Extended totals using clay pipe.....	$117,918	$122,000	$132,274
Extended toals using concrete pipe.....	122,405	121,000	126,000

Buildings—Industrial (Continued)

G. W. Boschke, ch. engr., 65 Market St., San Francisco, plans probably rein.-con. freight and passenger station, here. $150,000 or more.

Calif., San Francisco — LAUNDRY and WAREHOUSE — Matson Navigation Co., 215 Market St., had plans prepared 5 story and basement, rein.-con., Bryant and Main Sts. $200,000 or more. A. A. Brown, 215 Market St., engr.

Calif., San Jose—GARAGE—San Thomas Realty Co., had plans prepared by Binder & Curtis, 35 West San Carlos St., 1 story, 150 x 170 ft., steel and concrete, Market and Pierce Sts. T. F. Kilmartin, Inc., (Cadillac Agents), San Jose, lessee.

Ont., Dunnville—FLOUR MILLS—O. E. Wilson, Daisy Flour Mills, plans rebuilding mill destroyed by fire. $50,000.

Sask., North Battleford — FACTORY — Standard Mineral Waterworks Ltd., plans new factory, George St. $85,000.

Alta., Edmonton—STEEL MILLS—Maple Leaf Mills Ltd. plans new steel mills. To exceed $300,000.

B. C., Duncan—DAIRY PLANT—Cowichan Creamery Assn., J. Gible, mgr., plans ice, butter and cheese making plant. $45,000.

B. C., Victoria — WINE FACTORY — Gallissano Wine Co. of Italy, making plans wine factory on Vancouver Island. $150,000. I. Chazzi, mgr.

Bids Desired

N. H., Concord—POWER PLANT—St. Pauls School, J. Walker, bus. mgr., taking bids 1 story and basement, 30 x 45 ft., and 80 x 125 ft., brick and stone, plain foundation, Dunbarton Rd. To exceed $40,000. Day & Klauder, 1416 Chestnut St., Phila., Pa., archts. French & Hubbard, 210 South St., Boston, Mass., engrs.

Mass., Cambridge (Boston P. O.)—REPAIR and SERVICE GARAGE—F. Hayden, 35 Gorham St., taking bids 1 story, 70 x 100 ft., rein.-con., plain foundation, 8 Sparks St. $45,000. R. C. Grovestein, 5 Brattle St., archt.

Mass., Chelsea (br. Boston)—REPAIR and SERVICE GARAGE—R. Cloper, c/o S. S. Eisenberg, archt., 46 Cornhill, Boston, taking new bids 1 story, rein.-con. and brick, 62 Bway., here. $40,000.

Mass., Quincy (Boston P. O.)—REPAIR and SERVICE GARAGE, etc.—See "Contracts Awarded."

Mass., South Boston (Boston P. O.)—FACTORY—Underwood Mchy. Co., 110 Mt. Vernon St., taking bids 2 story and 1 story, brick addition and new building, Mt. Vernon St. $40,000 or more.

Mass., Springfield — PLANT—Springfield Republican, 32 Cypress St., taking bids altering 3 story, brick, Cypress St. $75,000. Blackall & Elwell, 44 Bromfield St., Boston, archts.

N. Y., Brooklyn—POWER HOUSE, etc.—Oct. 11, by Dept. Pub. Welfare, Municipal Bldg., New York City, altering and constructing power and boiler house, Kings Co. Hospital, here. B. S. Coler, comr.

Pa., Jeanette—FOUNDRY and STORAGE—Pittsburgh Eng. Co. taking bids 1 story, 110 x 110 ft., brick and steel foundry and storage building. $40,000. E. W. Eckert, 420 Y St., Derry, archt.

Pa., Phila.—BAKERY—Oct. 14, by Tasty Baking Co., 2801 Hunting Park Ave., 8 story and basement, 110 x 160 ft., rein.-con., brick and steel addition, plain foundation. Private plans. Noted Aug. 26.

Pa., Poland (Dunkard P. O.)—SHOPS, etc.—Shannopin Coal & Coke Co., 311 Ross St., Pittsburgh, taking bids blacksmith shop, lamp house, stables, sub-station, fan house, warehouse, office and administration building, for coal mine development, here. $100,000. G. B. Baton Co., 1st Natl. Bank Bldg., Pittsburgh, engrs.

Md., Baltimore—BAKING PLANT—Oct. 18, by C. B. Comstock, archt., 110 West 40th St., New York City, 3 story, 150 x 200 ft., rein.-con., brick, steel, stone, and terra cotta, Edmondson Ave. and Bentalou St., here, for Ward Baking Co., 774 Pacific St., Brooklyn, N. Y. $350,000. Noted Sept. 9.

Ind., Garrett—DAIRY PLANT—I. J. Mix Dairy Co., 361 East 30th St., Chicago, Ill., taking bids 3 story, 80 x 90 ft., brick and steel, here. $55,000. Leach & Sullivan, 64 West Randolph St., Chicago, Ill., archts.

Ind., Terre Haute — PLANT — Unique Printed Products Co., 2220 North 13th St., taking bids 1 story, 40 x 171 ft., rein.-con., brick and steel plant, $52,000. Shourds-Stoner Co., Tribune Bldg., archts.

Ill., Danville—BOILER PLANT, etc.—Interstate Water Co., H. G. Ely, supt., taking bids 2 story, 50 x 80 ft. rein.-con., brick and steel boiler plant and concrete stack, plain foundation. $50,000. Mead & Seastone, Journal Bldg., Madison, Wis., engrs.

Wis., Kiel—FACTORY—See "Contracts Awarded."

Wis., Madison—SERVICE STATION and SHOP—See "Contracts Awarded."

Wis., Milwaukee—BAKERY—Oct. 9, by W. E. Long Co., archt. and engrs., 155 North Clark St., Chicago, Ill., 2 story and basement, 62 x 120 ft., brick and steel or brick and timber addition, plain foundation, Greenfield Ave. here, for Wehle Bros. Baking Corp., 20 Caledonia Ave., Rochester, N. Y. $50,000.

Tex., Electra — LAUNDRY — Electra Laundry Co. taking bids 1 story, 70 x 140 ft., brick and rein.-con. laundry. $45,000. Voelcker & Dixon, 4 Kahn Bldg., Wichita Falls, archts.

Tex., Ft. Worth — ICE CREAM and CANDY FACTORY — See "Contracts Awarded."

Contracts Awarded

Mass., Brockton — PLANT — Brockton Daily Enterprise, c/o R. P. Jackson, archt., 106 Main St., 2 story and basement, 55 x 95 ft., rein.-con. and brick Joslyn St., to H. C. Briggs, Belmont St. Archts. est. $75,000. Noted Sept. 23.

Mass., East Boston (Sta. Boston)—SHOP—Atlantic Wks., 80 Border St., rebuilding 1 story, 100 x 120 x 200 ft., brick and steel, plain foundation, Border St., to Scully Co., Kendall Sq. Bldg., Cambridge.

Mass., Newton (Ind. br. Boston)—GARAGE and REPAIR SHOP—City, C. C. Chadwick, comr. Pub. Buildings, 2 story, rein.-con. and brick, Elliot St., to J. W. Duff, 146 Summer St., Boston. Archts. est. $100,000.

Mass., Quincy (Boston P. O.)—REPAIR and SERVICE GARAGE, etc.—H. T. Dennison, 415 Quincy Shore Dr., will build 2 story, 70 x 100 ft., brick and stucco repair and service garage, showroom and office building. $40,000. Work will be done by separate contracts. Private plans.

Mass., Whitman—MANUFACTURING—United Shank & Findings Co., 1 story, 52 x 186 ft., brick and steel, to Aberthaw Co., 80 Federal St., Boston, approximately $50,000.

Conn., New Haven — FACTORY — New Haven Clock Co., 133 Hamilton St., 2 story, 62 x 105 ft., brick and steel, to F. Taglialatela, 137 Franklin St. Archts. est. $50,000.

Pa., Phila.—MILL—Whitehall Knitting Mills, 2 story and basement, 48 x 120 ft., rein.-con. and brick, plain foundation, Gillingham and Torresdale Sts., to G. Kessler Constr. Co., 1733 North Marvine St.

Pa., Phila. — MILLING PLANT — Natl. Carbon Co., Pier 6, North Port, Richmond St., 1 story, 40 x 80 ft., brick and steel, here, to Central Contg. & Constr. Co., Drexel Bldg.

Pa., Phila. — PRINTING PLANT — Hyman Printing Co., 1 story, mezzanine and basement, 20 x 90 ft., rein.-con., brick and steel, plain foundation, 529 Cotton Hill, to G. Kessler Contg. Co., 1733 North Marvine St.

Pa., Pittsburgh—ICE CREAM PLANT—North Pole Cold Storage & Ice Co., 1218 West Carson St., remodeling 5 story ice storage building into ice cream plant, Carson St., to Ft. Pitt Bridge Co., Oliver Bldg. Archts. est. $60,000.

Tenn., Chattanooga—PRINTING PLANT—Purse Printing Co., 10th and A Sts., 1 story, brick, plain foundation, to Rogers & Levintahl, Pound Bldg., $50 000.

O., Akron—FACTORY—Natl. Standard Co., 1 story, 70 x 260 ft., brick, steel and concrete, to Austin Co., 16112 Euclid Ave., Cleveland. Archts. est. $100,000. Noted Sept. 23.

O., Columbus — REPAIR GARAGE — Jordan-Columbus Co., 264 North Front St., P. M. Ellis, pres., 1 story and basement, brick, stone and concrete, 525 East Broad St., to Hansberger & Marion-Berry Co., 55 East State St., approximately $55,000.

O., Dayton—PRINTING PLANT—McCall Publishing Co., Eaton Ave. and 236 West 37th St., New York City, rein.-con. and steel, plain foundation addition, to Hughes-Foulkrod Co., 421 7th Ave., Pittsburgh, Pa., approximately $200,000. Noted Sept. 23.

O., Jackson—FACTORY—Crown Pipe & Fdry. Co., 9,000 sq.ft. floor space, brick and steel, to Jackson Mill & Lumber Co., Jackson, approximately $55,000.

Ind., Terra Haute — WAREHOUSE — Standard Oil Co., 531 North 3rd St., general contract 1 story, 50 x 140 ft., brick and steel warehouse, to Pierce Constr. Co., 1121 South 7th St., $45,000. Private plans.

Ind., South Bend—FREIGHT STATION—New York Central R.R. Co. R. O. Rote, ch. engr. (lines west of Buffalo) Cleveland, O., general contract rein.-con., brick and steel freight station, here, to H. G. Christman Co., 306 South Notre Dame St. Archts est. $250,000. Noted Aug. 26.

Ind., South Bend—MACHINE SHOP—W. and C. Loutz Estate, general contract 2 story and basement, 61 x 90 ft., rein.-con., brick, steel and terra cotta machine shop, repair dept., sales and service station, Michigan and South Sts., to H. G. Christman, 306 South Notre Dame St., $65,000.

Mich., Detroit — FACTORY — Chrysler Motor Corp., c/o C. C. Sherk, 1 story, 28 x 220 ft. motor plant addition, 1 story, steel 63 x 104 ft. boiler house, coal bunkers and 120 ft. stack on roof, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $250,000.

Ill., Chicago—FACTORY—Prima Co., 825 Blackhawk St., masonry contract 41 x 204 ft., brick addition, 2540 Elston Ave., to H. Hochmuth & Son, 1930 Orchard St., $80,000.

Ill., Chicago—FACTORY—Pyle Natl. Co., 1334 North Kostner St., masonry and carpentry contract 1 story, 26 x 161 ft., brick, 1334 North Kostner Ave., to C. Rasmussen, 77 West Washington St., $50,000.

Ill., Highland — BOTTLING DAIRY — N. C. Davis, archt., 4908 Delmar Blvd., St. Louis, Mo., general contract 3 story, 80 x 100 ft., rein.-con. and brick, here, to Gruenfelder Constr. Co., Highland, for Highland Dairy Co., 4331 Choteau Ave., St. Louis, Mo. Archts. est. $60,000. Noted Aug. 5.

Wis., Ashland—PAPER MILL—Menasha Printing & Carton Co., River St., Menasha, 1 story, 80 x 86 ft., brick and concrete addition, plain foundation, here, to C. R. Meyer & Son Co., 50 State St., Oshkosh. Archts. est. $50,000.

Wis., Blanchardsville — PLANT — Wisconsin Power & Light Co., Gay Bldg., Madison, 30 x 74 ft., rein.-con., brick and steel wheel house and plant, plain foundation, here, to L. M. Weber, 1160 Emerald St., Madison. Archts. est. $40,000.

Wis., Chippewa Falls — ICE CREAM FACTORY — Clover Leaf Creamery, 417 Bridge St., 1 and 2 story, 50 x 100 ft., brick and concrete, plain foundation, to Tschopp-Durch-Camastral Co., High and East Columbia Sts. Archts. est. $40,000. Noted Sept. 2.

Wis., Eau Claire — FACTORY — Gillett Rubber Co., 799 Wisconsin St., 1 story and basement, 84 x 135 ft., brick and concrete addition, plain foundation, to Hoeppner-Bartlett Co., 4143 East Grand Ave. Archts. est. $50,000.

Wis., Kenosha—FACTORY—Allen-A Co., 1000 Prairie Ave., 5 story, 90 x 162 ft., brick and concrete addition, plain foundation, to W. W. Oeflein, Inc., 86 Michigan St., Milwaukee. Archts. est. $50,000.

Wis., Kiel—FACTORY—Kiel Woodware Co., H. C. Mesch, secy., will build 2 story, 42 x 70 ft., brick and timber addition, plain foundation, by day labor. $40,000. Private plans.

Wis., La Crosse—FACTORY—Motometer Co., Caledonia and Gillett Sts., 1 story, 82 x 140 ft., rein.-con. and brick addition, plain foundation, to F. R. Schwalbe & Sons, 414 Rivoli Bldg. Archts. est. $40,000.

Wis., Madison—SERVICE STATION and SHOP—Haly & Sagle, Washington Blvd., 1 story, 60 x 150 ft., rein.-con., plain foundation, Main St., to G. C. Cnare & Son, 2000 Jenifer St. Archts. est. $40,000.

Wis., Madison—SERVICE STATION and SHOP—C. Reider, 655 University Ave., will build 2 story, 60 x 150 ft., rein.-con., brick and steel, plain foundation, Blount St., by day labor. $43,000. H. C. Huart, 449 North Baldwin St., archt.

Wis., Milwaukee—ICE CREAM FACTORY—Blommer Ice Cream Co., 1502 North Ave., 3 story and basement, 62 x 75 ft., brick and concrete, plain foundation, North Ave., to Coddington Eng. Co., 290 3rd St. Archts. est. $65,000.

Wis., Mt. Horeb — SERVICE STATION and SHOP — J. C. Hanley, 1 story and basement, 50 x 92 ft., rein.-con., brick and steel, plain foundation, here, to M. Dunlap, Mt. Horeb.

Wis., Pine River — WHEEL HOUSE PLANT—Wisconsin Power & Light Co., 16 North Carroll St., Madison, 1 story, 40 x 50 ft., rein.-con. and brick, plain foundation, here, to L. M. Weber, Emerald St., Madison.

Wis., Sheboygan — FACTORY — E. A. Juul, archt., Security Natl. Bank Bldg. 4 story, 109 x 200 ft., and 20 x 40 ft., brick and timber, plain foundation, here, to Immel Constr. Co., Dana Bldg., Fond du Lac, for Northern Furniture Co., South Water St. and New Jersey Ave. Noted Sept. 16.

Wis., South Wayne—FACTORY—Owner, c/o R. L. Rate, archt., Monroe, 1 story and basement, 50 x 90 ft., rein.-con., brick and steel, plain foundation, here, to W. Stauffer, South Wayne. Archts. est. $50,000.

Minn., Rochester — POWER PLANT — Kahler Corp., and Mayo Clinic, 2 and 3 story and basement, rein.-con., brick and steel power plant, here, to G. Schwartz &

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Buildings—Industrial (Continued)

Co., Rochester. Archts. est. approximately $350,000. Noted Sept. 16.

Mo., Kansas City — GARAGE — F. H. Fitch, 114 West 10th St., 1 story, 132 x 248 ft., rein.-con., brick and steel, 1313 McGee St., to Swenson Constr. Co., Shubert Bldg. Archts. est. $75,000.

Tex., Bay City — ICE PLANT — Texas Central Power Co., c/o Frost Bldg., San Antonio, 1 story, 50 x 89 ft., rein.-con. and steel, plain foundation, to Gunderman & Allen, 445 Cooper St., San Antonio, $29.997. Noted Sept. 30.

Tex., Ft. Worth — ICE CREAM and CANDY FACTORY—Pangburn Co., c/o H. T. Pangburn, pres., will build 2 story, 54 x 118 ft., brick, stone and steel addition, incl. 1 freight elevator, sprinkler system, etc., 1305 West 7th St., by day labor. $75,000. C. F. Allen, Wheat Bldg., archt.

Calif., Los Angeles—AUTO SHOPS—Los Angeles Ry. Co., Railway Bldg., part 1 and 2 story 100 x 310 ft., brick and concrete, East 15th St., to Willard-Brent Co., 254 East 27th St., $127,560. Noted July 8.

Calif., Oakland — FACTORY — Sulmock Furniture Co., 1501 37th Ave., 1 story, 40 x 490 ft. brick, 37th Ave., to G. Lydiksen, 62 Fairmont St., $45,000. Noted Sept. 9.

Buildings—Educational, Religious

Proposed Work

Mass., Paxton—SCHOOL—Town, School Comn., having sketches made by C. R. Hoyle, 590 Main St., Worcester, 2 story and basement, brick and stone school. $150,000.

Mass., Worcester — DORMITORY — Worcester Polytechnic Institute, R. Earle, pres., soon lets contract brick and steel, West St. $250,000. Appleton & Stearns, 53 State St., Boston, archts. Foundation for above, to E. F. Miner Building Co., 25 Fester St. Noted Sept. 16.

R. I., Central Falls — CHURCH — St. Matthew's Church, J. A. Laliberte, postor, having preliminary plans prepared by W. F. Fontaine, 285 Main St. Woonsocket, 1 and 2 story and basement, rein.-con. and stone, Dexter and West Hunt Sts. $400,000.

R. I., Providence—HIGH SCHOOL—City, Pub. Buildings Dept., having plans prepared by T. J. H. Pierce, City Hall, Junior High School, 2 story and basement, Elmgrove and Taber Aves., Sessions and Emeline Sts. $750,000.

N. Y., Hicksville—SCHOOL—Bd. Educ., E. A. Curtis, pres., having plans prepared by Tooker & Marsh, 101 Park Ave., New York City, 3 story, brick, steel and stone, plain foundation. $150,000.

N. Y., St. Albans (mail Jamaica)—SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, engr. and archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 136, 3 story, brick, steel and stone, plain foundation, incl. steam heating, 201st St., here. $420,000.

N. J., Newark—LIBRARY—Library Bd., City Hall, Broad St., having plans prepared by J. H. and W. C. Ely, Firms Bldg., 2 story, 34 x 72 ft., brick, steel and stone, plain foundation, Alexander St. $300,000.

Pa., North Braddock (Braddock P. O.)—HIGH SCHOOL—School Dist. having plans prepared by Carlisle & Sherrer, Martin Bldg., Pittsburgh, 2 story and basement, irregular shaped, brick, hollow tile and steel, Brinton Ave. $200,000.

Pa., Sunbury—CHURCH—First Evangelical Church, B. F. Bastian chn. bd. trustees, plans 3 story and basement, 90 x 110 ft., brick and limestone church, incl. auditorium, Sunday school, gymnasium, etc., 5th and Chestnut Sts. $250,000.

Md., Baltimore — CHURCH, SUNDAY SCHOOL and GARAGE—Parker, Thomas & Rice, archts., Union Trust Bldg., soon lets contract 1 and 2 story, irregular shaped stone, plain foundation, 39th and Charles St., for 1st English Lutheran Church, M. L. Enders, pastor, 821 West Lanvale St. Noted Feb. 4.

Miss., Natchez—HIGH SCHOOL—Voted $250,000 bonds, school, for Bd. Educ. A. Whittington, mayor. Engineer and architect not announced. Noted Apr. 29.

La., Baton Rouge—GYMNASIUM, AUDITORIUM, etc.—University of Lousiana having plans prepared by Wogan & Bernard, Reymond Bldg., 1 and 2 story, rein.-con. and brick auditorium and gymnasium building $300,000, social science building $300,000, and pathological laboratory $50,000.

Mich., Highland Park (br. Detroit)—CHURCH—Highland Park Baptist Church having plans prepared by Lane, Davenport & Peterson, 1017 Charlevoix Bldg., Detroit, 2 story and basement, 115 x 140 ft., rein.-con., brick and steel, plain foundation, incl. steam heating system, Highland St. $175,000.

Mich., L'Anse — HIGH SCHOOL — Bd. Educ. having plans prepared by F. E. and G. F. Parmlee, Iron Mountain, 2 story and basement, 160 x 180 ft., rein.-con., brick, steel and stone, plain foundation. $300,000.

Wis., La Crosse—HIGH SCHOOL—A. J. McGavick, bishop, 1419 Cass St., having preliminary plans prepared by Parkinson & Dockendorff, Linker Bldg., Central High School, 3 story and basement, brick, tile and concrete, plain foundation. $175,000.

Wis., Whitewater — HIGH SCHOOL — Election in November, $200,000 bonds, rein.-con., brick and steel high school, for Bd. Educ., c/o Clerk. Engineer and architect not selected.

Ia., Ackley — HIGH and GRADE SCHOOL — Bd. Educ. having plans prepared by R. F. Moore, 401 Grandby Bldg., Cedar Rapids, and takes bids about Dec. 1, 3 story, 100 x 100 ft., rein.-con. and brick, incl. gymnasium, etc.

Ia., Des Moines—HIGH SCHOOL—School Dist. having plans prepared by Proudfoot, Rawson & Souers, 810 Hubbell Bldg., Callanan Junior High School, 2 story and part basement, 140 x 180 ft., rein.-con. and brick, plain foundation. $350,000.

Ia., Fairfield — DORMITORY — Parsons College, H. McDonald, pres., having preliminary plans prepared by C. P. Shockley, 719 Black Bldg., Waterloo, 3 story and basement, concrete, brick and stone, on campus. $150,000.

Ia., Iowa City — CHURCH — Christian Church having plans prepared by R. F. Moore, Granby Bldg., Cedar Rapids, new church. $400,000.

Neb., Omaha—SCHOOL—Sister Servants of Mary, 2915 Fontanelle Blvd., having plans prepared by E. J. Sessinghaus, World Herald Bldg., Holy Name School, 3 story and basement, rein.-con., plain foundation, 2902 North 45th St. $150,000.

Mo., St. Louis—MEMORIAL—Episcopal Church of United States, c/o W. Scarlett, dean, 1210 Locust St., takes bids about Nov. 4, 6 story and basement, 106 x 106 ft., rein.-con., brick and stone memorial office building, Locust St. near 13th St. $400,000. Jamieson & Spearl, Arcade Bldg., archts. Noted July 1.

Tex., McAllen — COLLEGE, ADMINISTRATION and DORMITORY—Carroll College, c/o S. C. Tucker, pres. Bd. Trustees, had plans prepared by H. P. Smith, c/o Natl. Bank of Commerce Bldg., San Antonio, 3 story and basement, rein.-con., brick and tile college, plain foundation, $500,000; 3 story and basement, 200 x 250 ft., tile and steel, administration building incl. steam heating, etc. $250,000; and 2 dormitories, rein.-con., brick and stone, $150,000 each.

Okla., Oklahoma City — CHURCH — African Methodist Episcopal Church, 543 East 3rd St., had plans prepared by M. G. Meredith, Guardian Bldg., Denver, Colo., and soon takes bids 2 story and basement, 56 x 140 ft., rein.-con. and brick, plain foundation, East 3rd St. $150,000.

Wash., Seattle—CHURCH—C. F. Champney, Seattle and Bakewell & Brown, 251 Kearney St., San Francisco, Calif., archts., take bids about Nov. 28, 2 story church, 10th N. E. and 50th Sts., for St. Marks Parish. $500,000. Noted Mar. 4.

Wash., Seattle — GYMNASIUM — Bd. Regents, University of Washington, having plans prepared by Bebb & Gould, Hoge Bldg., women's gymnasium. $220,000.

Ore., Portland — HIGH SCHOOL — School Bd. plans Grant High School, 36th and Thompson Sts. $410,000. Knight & Howell, U. S. Bank Bldg., archts.

Calif., Los Angeles — AUDITORIUM — Westminister Presbyterian Church having preliminary plans prepared by Marston, Van Pelt & Maybury, 25 South Euclid Ave., rein.-con., Lake Ave. $300,000.

Calif., Stockton—NURSES HOME—San Joaquin Co., having plans prepared by Davis-Pearce Co., Delta Bldg., 2 story nurses home, brick. $165,000.

Que., Montreal—INSTITUTE—Y. M. H. A., L. Rubenstein, pres., 35 Craig St. W. soon takes bids 4 story, rein.-con. and stone institute, $350,000. Engineer and architect's names withheld.

Bids Desired

Mass., Dorchester (Boston P. O.)—SCHOOL—Owner, c/o M. E. Levy, archt., 7 Water St., Boston, taking bids 3 story and basement, brick and stone Hebrew school, here. $150,000. Noted Sept. 30.

Mass., Holyoke — SCHOOL—City, Bd. Educ. taking bids 3 and 4 story and basement, 80 x 275 ft., brick and stone, plain foundation, Maple and Cabot Sts. $400,000. J. J. Myers, City Hall, engr. G. P. B. Alderman, 316 High St., archt. Noted Sept. 2.

Mass., Waltham (Ind. br. Boston)—CHURCH—Swedish Lutheran Church, J. E. Nelson, pastor, Main St., taking bids 2 story and basement, brick and stone, plain foundation, Weston St. near Eddy St. $150,000. A. A. Hanson & E. S. Read, 177 State St., Boston, archts. Noted Aug. 19.

Mass., West Roxbury (br. Boston)—SCHOOL—Oct. 14, by City, Schoolhouse Dept., City Hall, Boston, 2 story and basement, brick and stone, addition, plain foundation, Mt. Vernon St., Robert Gould Shaw Dist., here. $150,000. C. Allbright, 80 Boylston St., Boston, archt. Noted Aug. 12.

N. Y., Buffalo—SCHOOL—Oct. 21, by Bd. Educ., 900 Genesee Bldg., 3 story, 110 x 139 ft., rein.-con., brick and stone addition to School 65, Skiller St. To exceed $175,000. Bureau of School Architecture, 1411 Genesee Bldg., archts. Noted Aug. 27, 1925.

N. J., Newark—SCHOOL—Oct. 28, by City, 3 story addition to Summer Ave. school. $335,000. J. F. Cook, 9 Clinton St., engr.

Pa., Expedit — VOCATIONAL HIGH SCHOOL—Oct. 12, by Blacklick Twp. School Dist., J. C. Dunlap, pres., 3 story and basement, 80 x 120 ft., rein.-con. and brick addition, incl. heating, plumbing, etc. $150,000. J. E. Adams, Nemo Bldg., Johnstown, archts.

Pa., Red Lion—HIGH SCHOOL—Oct. 18, by Bd. Educ., Junior and Senior High School, 2 and 3 story, 115 x 172 ft., rein.-con. and brick, plain foundation, here. C. J. Lappley, Parkside Bldg., Harrisburg, archt.

D. C., Wash.—HIGH SCHOOL—Jan. 1, by Dist. Comrs., District Bldg., addition to Langley Junior High School, T St., near 2nd St. N. E. $400,000. A. L. Harris, municipal archt. Noted Aug. 5.

D. C., Wash.—HIGH SCHOOL, etc.—Feb. 1, by District Comrs., Dist. Bldg., Junior High School and assembly hall, 35th St. and Wisconsin Ave. N. W., $475,000; also top addition to Smothers School, $85,000. A. L. Harris, municipal archt.

D. C., Wash.—SCHOOL—Oct. 25, at Room 509, District Bldg., addition to John Burroughs School; adv. E. N.-R. Oct. 7.

O., Cincinnati—SCHOOL—Oct. 25, by Bd. Educ., 511 West Court St., 2 story and basement, rein.-con. and brick, plain foundation, Rockdale St. $300,000. S. Hannaford & Sons, Dixie Terminal Bldg., archts.

O., Rocky River—SCHOOL—Oct. 18, by Bd. Educ., 2 story and basement, brick, steel and concrete, incl. steam heating, Center Ridge Rd. $175,000. Fulton & Taylor 8120 Euclid Ave., Cleveland, archts.

Ind., South Bend — CHURCH and SCHOOL—German Lutheran Church, K. A. Schultz, pastor, 413 West Marion St., taking bids 2 story and basement, brick, steel and stone church and parochial school. $150,000. Freyemuth & Mauer, 654 Associates Bldg., archts.

Ill., Chicago—HIGH SCHOOL—Oct. 16, by Bd. Educ., 650 South Clark St., E. B. Elliott, pres., 4 story, rein.-con., brick and stone, North Central Park Ave. between Fulton and Walnut Aves. $1,200,000. J. C. Christensen, 650 South Clark St., archt.

Wis., Racine—HIGH SCHOOL—Oct. 26, by A. H. Schafer, secy. Bd. Educ., 2 and 3 story, brick, tile and concrete South Side. $550,000. Croft & Boerner, 1004 Marquette Ave., Minneapolis, Minn., archts. Noted Sept. 30.

Ia., Des Moines—HIGH SCHOOL—Oct. 19, by School Bd. Independent School Dist., c/o G. L. Garton, secy., Callanan Junior High School, 2 story and part basement, 140 x 180 ft., rein.-con. and brick, plain foundation. $350,000. Proudfoot, Rawson & Souers, 810 Hubbell Bldg., archts.

Calif., Fresno—SCHOOL—Oct. 28, by Bd. Educ., 2 story rein.-con., incl. 30 classrooms, library and auditorium, for City of Fresno School Dist. $175,000. Felchlin, Shaw & Franklin, Rowell Bldg., archts.

Bids Received

Mass., Worcester—SCHOOL—City, Pub. Building Dept., City Hall, 2 story and basement, brick and stone, plain foundation, Nelson Pl., from C. T. Rocheford, 58 Front St., $112,435. Noted Sept. 23.

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Buildings—Educational, Religious (Cont.)

N. J., Phillipsburg—HIGH SCHOOL—Bd. Educ., Sept. 23, general contract 2 story, brick and steel high school, from Karno Smith Co., Broad St. Bank, Trenton, $369,000; heating and ventilating, from E. Stipe, Easton, Pa., $54,585; and plumbing, from G. H. Ricker, Easton, Pa., $28,529.

N. J., Rahway—SCHOOL—School Bd., G. Howard, secy., Sept. 28, general contract Grover Cleveland School, 2 story, brick and steel, East Milton Ave., from Cassese Constr. Co., 204 Highland Ave., Newark, $167,560; heating, etc., from W. F. Conklin, 310 Slocum Pl., Long Branch, $26,167. Noted Sept. 9.

Pa., Munhall—SCHOOL—School Dist. of Munhall, general contract, 3 story and basement, 65 x 79 ft. addition, from J. G. Fullman Co., E. E. Trust Bldg., Pittsburgh, $124,000; also heating and ventilating, from Moss & Blakeley, 223 Beltzhaver St., Pittsburgh, $25,352. Noted Aug. 19.

Wis., Madison—MEMORIAL UNION—J. D. Phillips, bus. mgr. University of Wisconsin, Sept. 25, 2 story and basement, 140 x 240 ft., rein.-con., brick and steel, plain foundation, Langdon St., from Pferrer Constr. Co., 402 Builders Exch. Bldg., Duluth, Minn., $773,000. Noted Sept. 23.

Wis., Oshkosh—SCHOOL—State Normal Regents, W. J. Kettle, secy., State Capitol, Madison, 4 story, rein.-con. and brick, plain foundation, here, from J. Rezash, P. O. Box 264, Sheboygan, $243,500. Noted Sept. 16.

Calif., Los Angeles—HIGH SCHOOL—City, general contract Burbank Jr. High School, 4 brick, concrete and terra cotta buildings; from Salin Bros., Detwiler Bldg., $254,000. Noted Sept. 9.

Contracts Awarded

Mass., Blackstone—SCHOOL—St. Pauls Parish, 2 story and basement, 40 x 110 ft., brick and stone, to Bouvier-Brien Constr. Co., 189 Boylston St., Woonsocket, R. I. Archts. est. $150,000. Noted Sept. 9.

Mass., Brookline (br. Boston)—SCHOOL—Beaber Country Day School, E. R. Smith, master, 2 story and basement, brick and stone addition, plain foundation, Buckminster Rd., to Stone & Webster, 147 Milk St., Boston. Archts. est. $150,000.

Mass., East Walpole—CHURCH—Church of the Blessed Sacrament, A. Fahey, pastor, 1 story and basement, brick, stone and granite, plain foundation, to J. F. Griffin Co., 15 Exchange St., Boston. Archts. est. $150,000. Noted Sept. 16.

Conn., Hartford—SCHOOL—St. Michael's Parish, c/o W. Schmidt, archt., 144 Golden Hill St., Bridgeport, 2 story and basement, 65 x 150 ft., brick, steel and cast stone Clark St., to J. O'Connell, 260 Fairmont St., New Haven. Archts. est. $150,000. Noted Sept. 16.

Mass., Northfield—RECITATION—Northfield Seminary Trustees, 3 story and basement, 68 x 100 ft., brick, steel, and marble, to H. Wales Lines Co., Meriden, Conn. Archts. est. $200,000.

Mass., Peabody—SCHOOL—City, 2 story and basement, 70 x 120 ft., brick and stone, plain foundation, Bowditch Dist., to E. H. Porter Co., 13 Wallis St. Archts. est. $150,000. Noted Aug. 5.

Mass., Somerville (Boston P. O.)—CHURCH and PARISH HOUSE—Claredon Hill Presbyterian Church, 2 story and basement, 70 x 115 ft., brick and stucco, Curtis St. and Power House Blvd., to A. B. Carter & Sons, 73 Tremont St., Boston. Archts. est. $150,000. Noted Aug. 26.

Mass., Sudbury—HIGH SCHOOL—Town School Bd., 2 story and basement brick and stone addition, King Phillip Rd., to J. Miles & Son, 394 Main St., Worcester. Archts est. $150,000. Noted Aug. 5.

N. Y., Buffalo—SCHOOL—Bd. Educ., Genesee Bldg., School 79, rein.-con., brick and stone Lawn Ave., to Harrison Eng. Corp., Ellicott Sq. Bldg., $374,497.

Pa., Latrobe—NURSES HOME—Latrobe Hospital, general contract 2 story and basement, 34 x 96 ft. nurses home, to Poland Bros., 304 Alexandria St. Archts. est. $150,000.

Pa., Phila.—RECREATION—Dept. Pub. Welfare, Bureau of Recreation, C. H. Crakelow, dir., W. Freeland Kendrick Recreation Bldg., 1 and 2 story, 43 x 259 ft., plain foundation, Ridge Ave. and Roxborough St., to Codylon Co., 4627 Frankford Ave., $151,000. Noted Sept. 16.

Pa., Pittsburgh — CATHEDRAL of LEARNING—University of Pittsburgh, c/o J. G. Bowman, chancellor, Cathedral of Learning, 33 story and basement, 264 x 330 ft., Bigelow Blvd. and Forbes St., to Stone & Webster, 147 Milk St., Boston, Mass. Archts. est. $7,000,000.

Tenn., Knoxville—SCHOOL—Bd. Educ., school, Parkview St., to Gervin & Gervin, 220 West Clinch St., $245,150. Noted Sept. 2.

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O., Berea—HIGH SCHOOL—Bd. Educ., L. A. Fowles, clk., Junior High School, 3 story and basement, incl. steam heating, to R. S. Ursprung, Perry-Payne Bldg., Cleveland, $502,000. Noted Sept. 23.

O., Cleveland Heights (Warrensville P. O.)—SCHOOL—Church of the Saviour, C. K. Arter, chn. building com., Guardian Bldg., Cleveland, 1 and 2 story, brick, stone and steel, Lee Rd., to J. Grant & Son, 4500 Euclid Ave., Cleveland. Archts. est. $700,000.

O., Portsmouth—CHURCH—First Baptist Church, 1 story and basement, Gallia and Walker Sts., to W. J. Lynn Constr. Co., Portsmouth, $150,000.

Ill., La Grange — SCHOOL — Nazareth Academy, c/o Mother Patricia, five 2 and 3 story, rein.-con., brick and stone buildings, incl. central heating plant, etc., to W. J. Lynch, 844 Rush St., Chicago. Archts. est. $500,000.

Wis., Milwaukee—ACADEMY and CONVENT—Barry, Byrne Co., archts., 104 South Michigan Blvd., Chicago, Ill., 3 and 4 story and basement, 169 x 169 ft., rein.-con., brick and tile, plain foundation, 12th and Cedar Sts., to W. W. Oeflein, Inc., 86 Michigan St., for Holy Angels Academy, 243 12th St. Archts. est. $400,000. Noted Sept. 16.

Ia., Muscatine—SCHOOL—Bd. Educ., Jefferson Grade School, 2 story, 116 x 200 ft., rein.-con., brick and stone, plain foundation, to J. H. Hunzinger Co., Security Bldg., Davenport, $183,800. Noted Sept. 9.

Calif., San Francisco—SCHOOL—City and San Francisco Co., general contract Commodore Sloat School, to Mahony Bros., Flood Bldg., $98,850.

Federal Government Work

Proposed Work

N. Y., Albany—Dredging—U. S. Engineer Office, 39 Whitehall St., New York City, plans dredging in Hudson River, here.

Pa., Lewistown — Post Office — Treas. Dept., Wash., D. C., soon takes bids 3 story and basement, 62 x 88 ft., steel and stone, Wayne and Market Sts., here. $150,000. J. J. Crane, c/o owner, archt.

Bids Desired

D. C., Wash.—Derrick Boat—Nov. 5, by U. S. Engineer Office, 1068 Navy Bldg., 15 ton steel hull derrick boat; adv. E. N.-R. Oct. 7.

D. C., Wash.—Attendants Quarters, etc.—Nov. 9, by U. S. Veterans Bureau, Room 791, Arlington Bldg., Continued Treatment Building 6, Attendants Quarters Additions, and covered walks. F. T. Hines, dir.; adv. E. N.-R. Oct. 7.

Miss., Gulfport—Sand Fill—Oct. 26, by U. S. Veterans' Bureau, 791 Arlington Bldg., Wash., D. C., 55,000 cu.yd more or less sand fill at U. S. Veterans' Hospital 74, here. L. H. Tripp, c/o owner, ch. engr.

Mo., Atherton—Dikes—Oct. 12, by C. C. Lee, ch. engr., 700 Postal Bldg., Kansas City, 2,100 lin.ft. clump dikes in Missouri River at Jacksons Bank, near here, for War Dept., 700 Postal Bldg., Kansas City.

Ariz., San Carlos—Dam—Nov. 10, at office U. S. Indian Irrigation Serv., 311 Federal Bldg., Los Angeles, Calif., constructing Coolidge Dam, near here; C. H. Burke, comr.; adv. E. N.-R. Oct. 7.

Bids Received

N. Y., Sunmount—Storehouse, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., buildings, etc., here, from Murch Bros. Constr. Co., Ry. Exch. Bldg., St. Louis, Mo., $55,000 (200 days). Noted Aug. 26.

D. C., Wash.—Building—Treas. Dept., at office Supervising Archt., Sept. 30, addition to Liberty Loan Building, from Consolidated Eng. Co., 20 East Franklin St., Baltimore, Md., (1) $57,985 (2) $10,480.

D. C., Wash.—Medical School — Chief Clerk Dept. Interior, general contract brick medical building at Howard University, from A. L. Smith, 2525 Pennsylvania Ave. N. W., $339,900; plumbing, ventilating and heating, from W. G. Cornell, 19 Paterson Ave. N. E., $73,325; and electrical work, from Electrical Constr. Co., 844 Rush St., Chicago, Ill., $22,383. Noted Sept. 16.

Va., Quantico—Dredging—Spec. 5273—Bureau Yards & Docks, Navy Dept., Wash., D. C., Sept. 29, dredging at marine barracks, here, from Norfolk Dredging Co., Norfolk, (1) $0.83 (2) $3.50 and $0.83, alternates $0.648 for areas B and C only. Noted Sept. 23.

Minn., Fort Snelling—Sewer—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Sept. 28, new sewer line at U. S. Veterans Hospital, here, from W. C. Fraser, 1667 University Ave., $19,750 (105 days). Noted Sept. 23.

California—Road—C. H. Sweetser dist. engr., U. S. Bureau Pub. Roads, 461 Market St., San Francisco, surfacing Sect. C, Truckee-Meyers Natl. Forest Rd., Sierra Co., from Young Bros., 1321 Carleton St., Berkeley, $2,595; grading and surfacing same road, from Isbell Constr. Co., P. O. Box, 584 Fresno, $32,214 and $27,589 respectively.

Contracts Awarded

N. C., Beaufort—Bulkhead—U. S. War Dept., Wash., D. C., 3,000 ft. rock bulkhead, here, to Davis Constr. Co., Beaufort.

Oregon—Road—Bureau Pub. Rds., Dept. Interior, Wash., D. C., constructing 1.3 mi. road around Crater Lake, in Crater Lake Nat'l. Park, here to Von der Hellen & Pierson, Medford. Engrs. est. $35,420.

Unclassified

Proposed Work

Swimming Pool—Williamstown, Mass.—Williams College, H. A. Garfield, having sketches made by Densmore, LeClair & Robbins, Park Sq. Bldg., Boston, concrete swimming pool and gymnasium addition.

Docks—Buffalo, N. Y.—See "Buildings—Industrial."

Abattoir — Greensboro, N. C. — Plans issuing $15,000 bonds, in addition to $65,000 bonds previously authorized but not yet issued for abattoir. P. C. Painter, city mgr.

Distribution System—Murray, Ky.—Kentucky-Tennessee Power Co., made preliminary plans rebuilding transmission line, incl. new transformers, 5 cars poles, etc. $30,000. C. Crawford, Murray, engr.

Grade Crossing Elimination—Cincinnati, O.—Election in November, $1,000,000 bonds, elimination grade crossings.

Sand and Gravel Plant—Columbus, O.—Arrow Sand & Gravel Co., Hartman Bldg., made plans sand and gravel plant, incl. 10 large concrete silos, Mound St. and Sciota River. $60,000. S. Stephanian, genl. engr.

Parks—Lakewood (br. Cleveland), **O.**—Election Nov. 2, $110,000 bonds, purchasing and improving public lands for parks. E. A. Fisher, City Hall, engr.

Stadium, Athletic Field, etc. — Grand Forks, N. D. — University of North Dakota Memorial Corp., c/o P. L. Samuelson, secy., plans stadium, gymnasium and athletic field. $500,000.

Park Development — Excelsior Springs, Mo. — Defeated $28,000 bonds, completing Siloam Springs Park. G. Kessler, city engr. Noted Sept. 16.

Transmission Line—Texas—Texas Central Power Co., c/o Frost Bldg., San Antonio, making plans approximately 25 mi. high power transmission line from Uvalde to Sabinal. $75,000. Private plans.

Oil Reservoir — Lubbock, Tex. — Making plans 44 ft. diam. oil reservoir, 10 ft. deep, concrete, 100,000 gal. capacity. $70,000. M. R. Smith, city engr.

Gas Pipe Line—San Angelo, Tex.—B. Carter and associates, Ranger, plan 75 mi. probably 8 in. gas pipe line from North Coleman Co. to here. $300,000. Private plans.

Cemetery—San Antonio, Tex.—Memorial Park Co., c/o Brady Bldg., San Antonio, making plans improving 65 acre burial tract, incl. chapel, bridges, paving streets, etc. on Austin and Klaus Rds., in Bexar Co. north of here. $200,000. J. Noyes, 2315 Tower Gr., St. Louis, Mo., engr.

Lighting System—La Mesa, Calif.—See "Streets and Roads."

Park Improvements and Swimming Pool—Montbello, Calif.—Plans election $100,000 bonds, park improvements and swimming pool. Noted Sept. 9.

Swimming Tank and Skating Rink—San Francisco, Calif.—See "Buildings—Commercial."

Swimming Pool and Golf Course — San Pedro, Calif.—See "Buildings—Commercial."

Bids Desired

Clearing Acreage—New Milford, Conn.—U. G. I. Contg. Co., New Milford, taking bids clearing approximately 8,000 acres, etc.; adv. E. N.-R. Oct. 7.

Fire Alarm System—Brooklyn, N. Y.—Oct. 11, by J. J. Dorman, fire comr., Municipal Bldg., New York City, underground fire alarm system, here.

Unclassified (Continued)

Sanitary Work—Central Islip, N. Y.—Oct. 27, by State Hospital Comn., Albany, sanitary work, at Viele Home, Central Islip State Hospital, here; adv. E. N.-R. Oct. 7.

Heating, etc.—Middletown, N. Y.—Oct. 27, by State Hospital Comn., Capitol, Albany, heating work, boiler and equipment, for Middletown State Hospital, here; adv. E. N.-R. Oct. 7.

Subway—New York, N. Y.—Oct. 11 (extended date) by Bd. Transportation, 49 Lafayette St., constructing Sects. 1 and 2, Route 104, Rapid Transit R.R. W. J. Daly, acting secy.; adv. E. N.-R. Oct. 7. Noted Sept. 9.

Entrance, etc.—New York, N. Y.—Oct. 18, by Bd. Transportation, 49 Lafayette St., relocating entrances and passageway, Canal St. Station on 7th Ave.-Lexington Ave. Rapid Transit R.R. Agreement "E.T." J. H. Delaney, chn.

Skating Rink—Atlantic City, N. J.—See "Buildings—Commercial."

Aviary—Wash., D. C.—Dec. 1, by Dist. Comrs., District Bldg., aviary building at National Zoo Park. $102,000. A. L. Harris, municipal archt.

Lighting System—Wash., D. C.—Oct. 21, by Director Pub. Buildings & Pub. Parks, lighting system in Lincoln Memorial.

Lighting System — Bexley (Columbus P. O.) **O.**—Oct. 8, by S. W. Roderick, village clk., 460 South Drexel Ave., Columbus, c.i. standards, etc. on 10 various streets. $26,-600. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs.

Lighting System—Columbus, O.—Oct. 11, by W. H. Duffy, dir. Pub. Ser., ornamental lighting system on High St. $200,000.

Traffic Signal—Lakewood (br. Cleveland) **O.**—Oct. 9, at office Mayor, 14532 Lake Ave., automatic traffic signals. E. A. Wiegand, dir. Pub. Wks.

Transmission Line — Wisconsin — See "Contracts Awarded."

Foundation—Sioux City, Ia.—Oct. 15, by Frances Building Co. concrete pile foundation for 4 and 7 story, 150 x 200 ft., rein.-con., brick and terra cotta theatre and office. Lieberman & Hein, 190 North State St., Chicago, Ill., engrs. C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., archts.

Guard Rail—Nebraska—See "Streets and Roads."

Underpass—Ft. Worth, Tex.—Oct. 16, by H. M. Lull, ch. engr. Southern Pacific R.R. Co., Southern Pacific Bldg., Houston, underpass on Capps St. under Missouri, Kansas & Texas R.R. and Southern Pacific R.R. tracks, for City, c/o O. E. Carr, city mgr., Missouri, Kansas & Texas R.R. Co., c/o W. H. Whitenton, vice-pres. Dallas, and Southern Pacific R.R. Co. $240,000. Noted Aug. 12.

Street Lighting System—Beverly Hills, Calif.—Oct. 11, by City Trustees, ornamental street light system on Camden Dr., 12,197 ft. 1½ to 2 in. conduit, 26,193 ft. cable, etc. Noted Sept. 16.

Pier—Oceanside, Calif.—Oct. 27, by City Trustees, 340 ft. rein.-con. pleasure pier. R. L. Loucks, city engr. Noted Sept. 23.

Bids Received

Fire Alarm System—Brooklyn, N. Y.—J. J. Dorman, fire comr., Municipal Bldg., New York City, Sept. 28, portion underground fire alarm system, in Brooklyn Boro, Item 1, from J. H. Gerhart, 50 Church St., New York City, $7,860; and Item 2 from J. Sugden Co., 67 West 44th St., New York City, $30,365. Noted Sept. 23.

Pipe Line—Oklahoma—See "Contracts Awarded."

Street Lighting System — Los Angeles, Calif. — Ornamental lights and conduits for lighting system on Rampart Blvd. between Temple and 6th St., from H. H. Walker, 1323 Venice Blvd., $25,232. Noted Sept. 9.

Lighting System—Los Angeles, Calif.—Ornamental street lighting system on 7th St. between Bway. and Figueroa Sts., from Underground Constr. Co., 2210 Hyperion St., $30,888.

Pier—San Francisco, Calif.—State Bd. Harbor Comrs., **(e. e. means engrs. est.)**, Pier 45, concrete pile, 1,200 ft. long, 380 ft., The Embarcadero, between Taylor and Jones Sts., from Clinton Constr. Co., 923 Folsom St. Design 1, $972,000 e. e. $1,003,-430, Design 2, $1,220,000 e. e. $1,093,110, Design 3, $1,282,000 e. e. $1,134,000. Noted Sept. 9.

Contracts Awarded

Heating and Ventilating System — Leominster, Mass. — City School Bd., heating and ventilating system in Junior High School, to Jennison Co., Putnam St., Fitchburg, $48,884.

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Foundation — Worcester, Mass. — See "Buildings—Educational, Religious under Proposed Work."

Retaining Wall—Ohio—See "Streets and Roads."

Grade Crossing Elimination—South Bend, Ind.—New York Central R.R., 466 Lexington Ave., New York City, R. O. Rote, ch. engr. (lines West of Buffalo), West 3rd St. and St. Clair Ave., Cleveland, O., elimination grade crossing, here, to H. O. Christman Co., South Bend. Engrs. est. $600,000.

Grand Stand — Chicago, Ill. — Chicago (Amer. League) Baseball Co., 343 South Dearborn St., 1 story, 20,000 seating capacity, rein.-con. and steel addition, to Friestedt Constr. Co., 435 North Michigan Ave. Archts. est. $600,000. Noted Aug. 19.

Gas Main—Wisconsin—Wisconsin Power & Light Co., Gay Bldg., Madison, 12.5 mi. 4 in. copperoid high pressure gas main between Berlin and Ripon, to L. E. Meyers Co., Monadnock Bldg., Chicago, Ill.

Transmission Line — Wisconsin — Wisconsin Power & Light Co., Gay Bldg., Madison, will build 8 mi. high voltage transmission line between Hollandale and Blanchardville, and 6 mi. line between Barneveld and Blue Mound, by day labor. $25,000. E. J. Kallevany, c/o owner, engr.

Reptile House—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, 2 story and basement, 105 x 160 ft., rein.-con., brick and terra cotta reptile house in Forest Park, to Murch Bros. Constr. Co., Railway Exch. Bldg., for Zoological Bd. Control. $172,700. Noted Sept. 16.

Pine Line—Oklahoma—Gulf Pine Line Co., Gulf Bldg., Houston, Tex., laying 52 mi. 8¼ in. pipe line from Seminole to Henryetta, to C. Clay, Drumwright, $140,000.

Pipe Line—Oklahoma—Independent Oil & Gas Co., Tulsa, will build 18 mi. 6⅝ in. pipe line from Seminole oil field to Wetumka. $140,000. Work will be done by company forces. Private plans.

Wharf—Berkeley, Calif.—A. O. Stewart, (Golden Gate Ferry Co.) Holbrook Bldg., San Francisco, concrete and timber wharf, to San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, approximately $750,-000. Noted July 9.

Lighting System—Ventura, Calif.—City, ornamental lighting system on Ventura Ave., Spruce and Santa Clara Sts., etc., to J. C. Perry, Detwiler Bldg., Los Angeles, $32,950.

Materials

Bids Desired

Sand, etc.—Long Island City, N. Y.—Oct. 11, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 3,000 cu.yd. sand, 7,500 gal. motor oil, and 125,000 gal. gasoline.

Frogs—Phila., Pa.—Oct. 14, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., railroad frogs, Contr. 50. A. C. Shand, Broad St. Sta., ch. engr. for railroad.

Copper Wire, etc.—Cleveland, O.—Oct. 8, by City, 5,000 lb. 10, 10,000 lb. 8, and 10,000 lb. 6 B. & S. solid copper wire, 10,000 lb. 1/0 B. & S. Strader copper wire, one thousand 5 ft. four pin, one thousand five hundred 7 ft. 6 and 9 and four hundred 9 ft. eight pins.

Structural Steel—Chicago, Ill.—Oct. 14, by City, Room 406, City Hall, fabricating, furnishing and delivering at site, structural steel necessary for widening Kedzie Avenue Bridge over North Branch Chicago River. A. A. Sprague, comr. Pub. Wks.

Lighting Standards and Cable—McAlester, Okla.—C. Hess, city mgr., in market 40 "White Way" lighting standards and 6,500 ft. 3 conductor armored cable.

Pipe—Montreal, Que.—Oct. 8, by City, Executive Com., 2 400 lin.ft. 6 in., 6,000 lin.ft. 8 in., 1,200 lin.ft. 10 in., 1,200 lin.ft. 12 in., 120 lin.ft. 14 in. and 480 lin.ft. 30 in. c.i. pipe.

Ties—Montreal, Que.—Oct. 19, by G. P. MacLaren, genl. tie and timber agt., Room 802, Canadian Natl. Express Bldg., McGill St., hard and softwood ties, f.o.b. cars Canadian Natl. Railways.

Contracts Awarded

Cement, etc.—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 425 tons asphaltic cement, to Standard Oil Co. of New York, 26 Bway., New York City, $8,870; and 100,000 gal. fuel oil, to Warner Quilan Co., 67 Wall St., New York City, $6,700. Noted Sept. 16.

See proposal advertising on page 174

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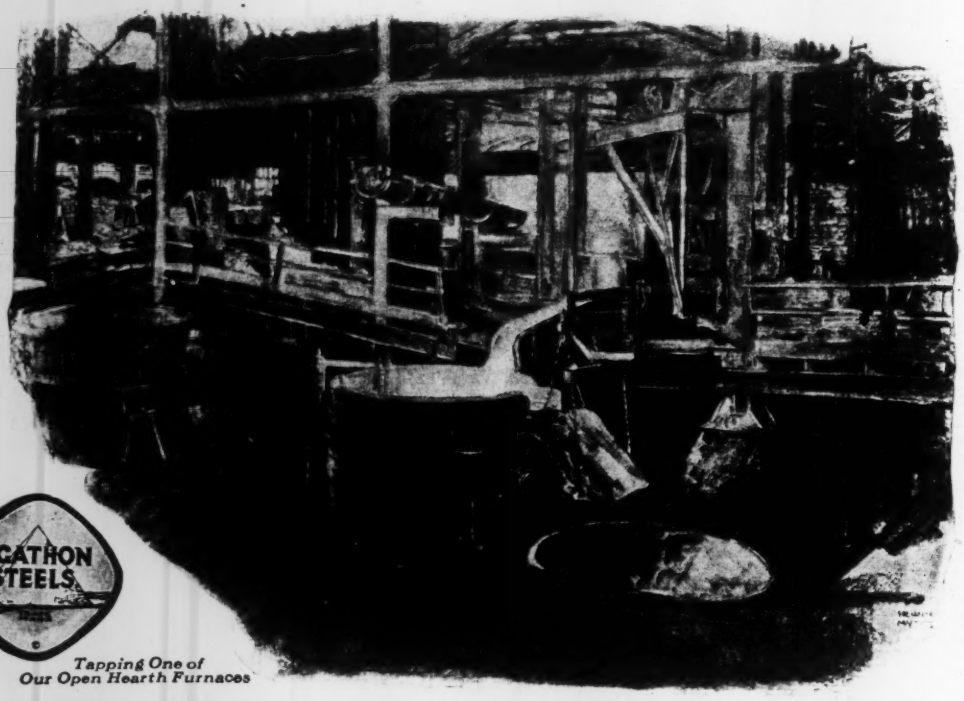

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